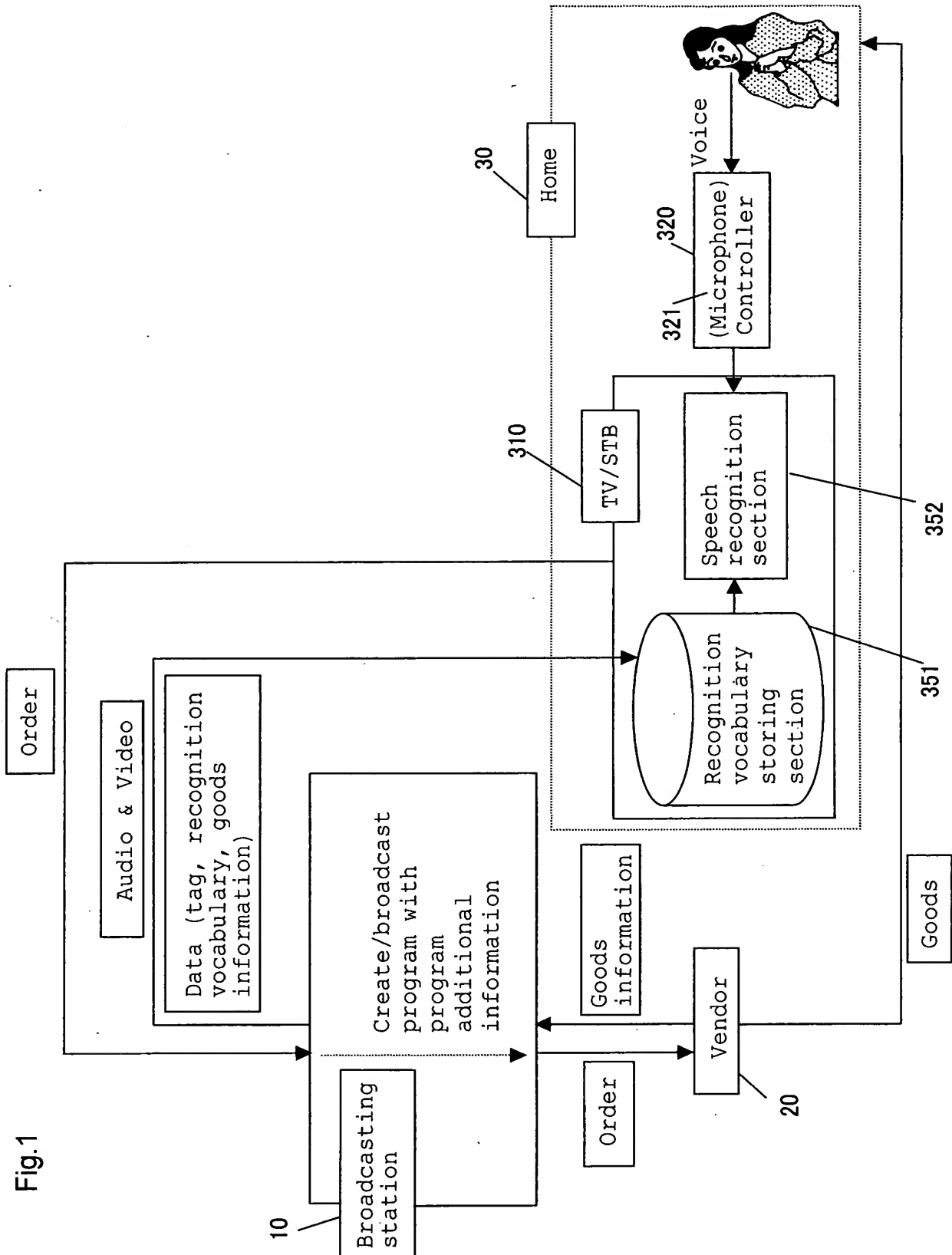
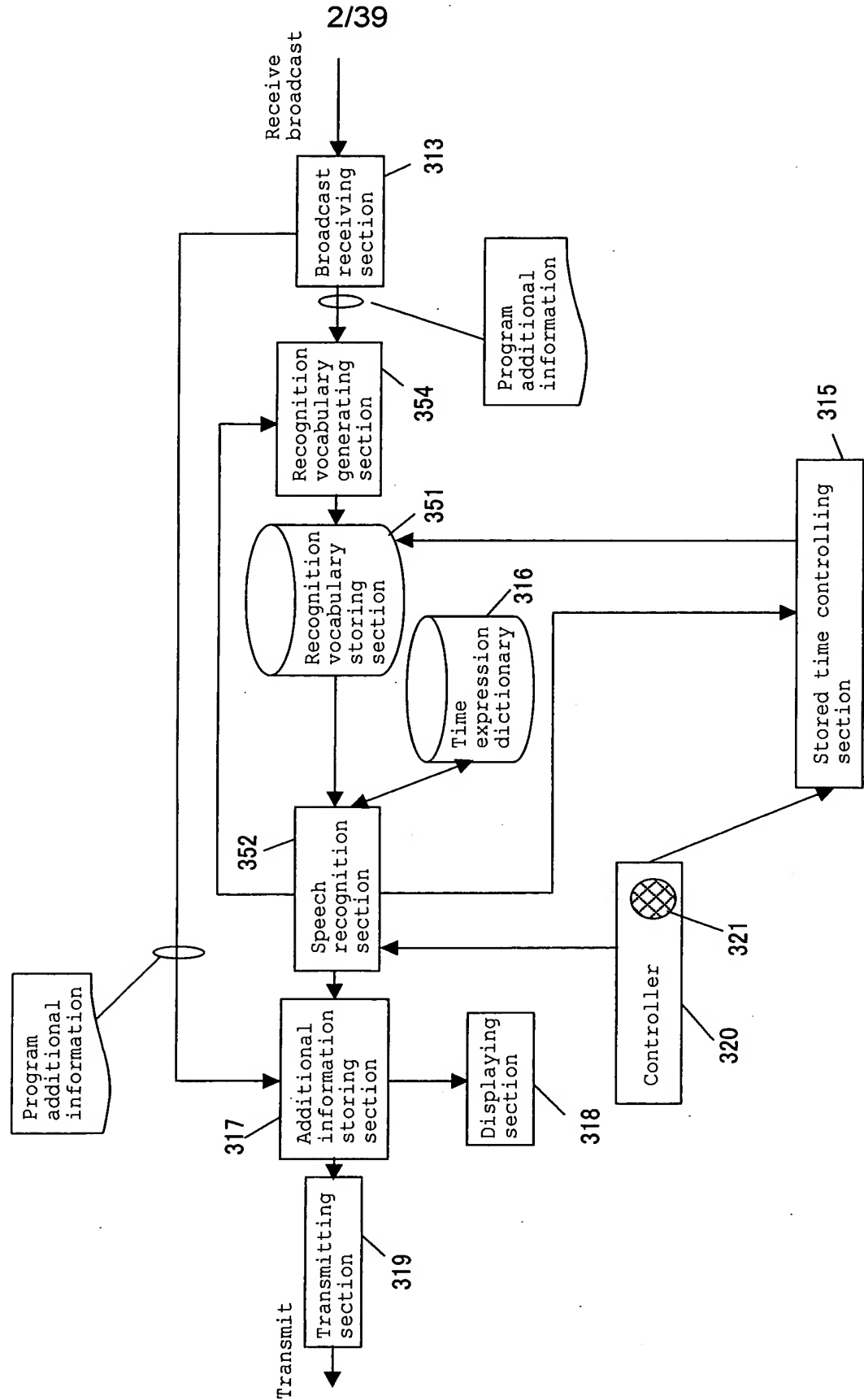


Fig. 1

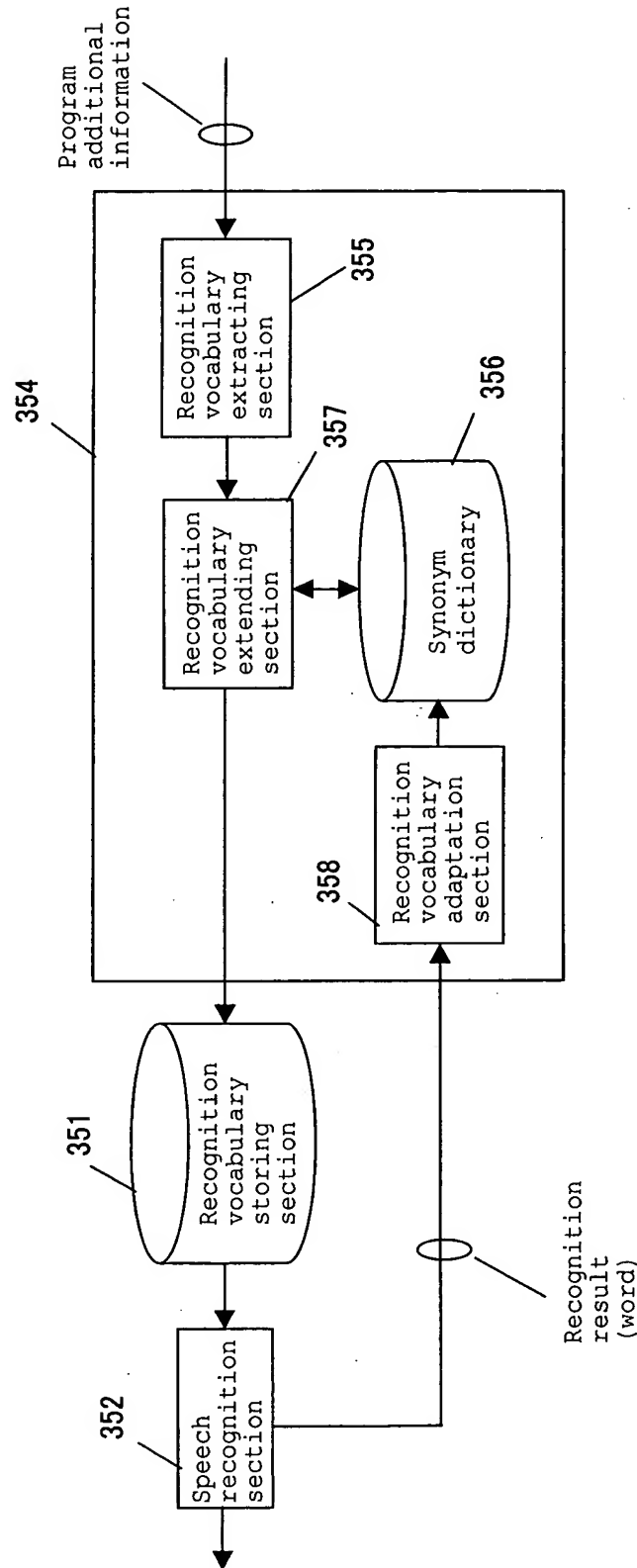


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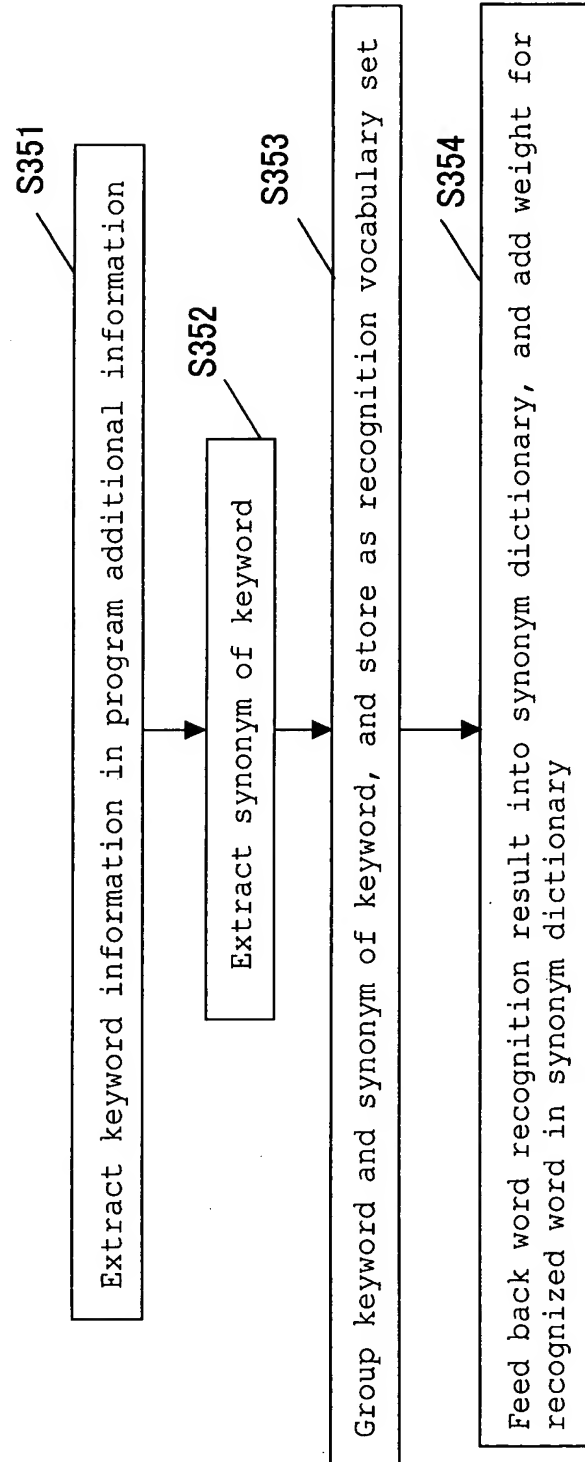
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Fig.3



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Fig.4



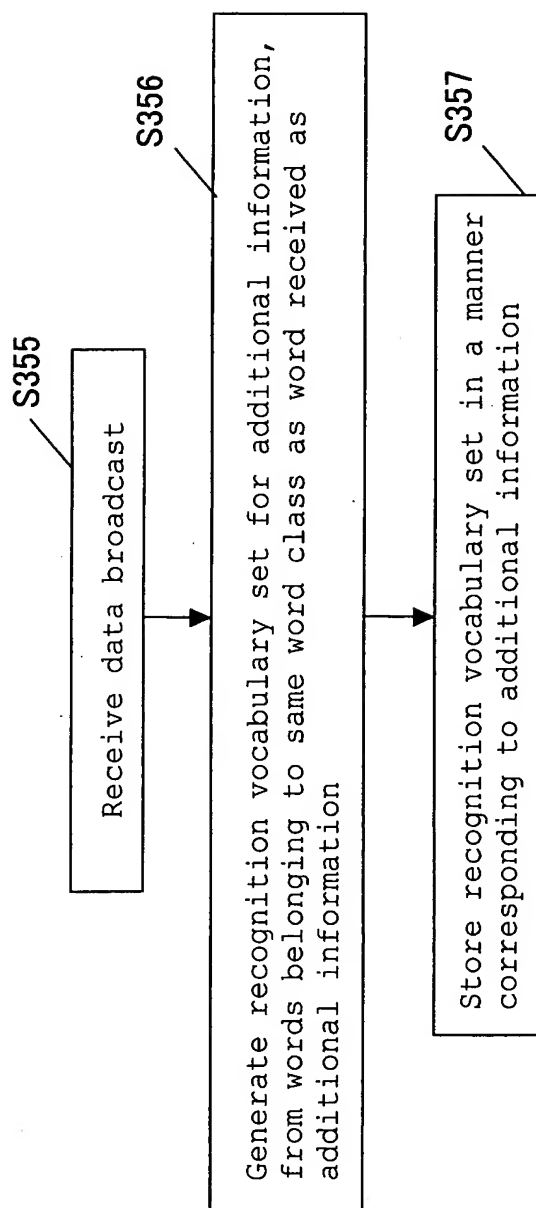
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Fig.5

391	392	393	394
Word	Pronunciation	Word class	Appearance frequency
<div data-bbox="508 1381 581 1409" data-label="Text">•</div> <div data-bbox="508 1409 581 1436" data-label="Text">•</div> <div data-bbox="508 1436 581 1463" data-label="Text">•</div> <div data-bbox="605 1444 630 1520" data-label="Text">coat</div>	<div data-bbox="508 1077 581 1104" data-label="Text">•</div> <div data-bbox="508 1104 581 1131" data-label="Text">•</div> <div data-bbox="508 1131 581 1159" data-label="Text">•</div> <div data-bbox="605 1119 630 1215" data-label="Text">'coat'</div>	<div data-bbox="508 785 581 812" data-label="Text">•</div> <div data-bbox="508 812 581 840" data-label="Text">•</div> <div data-bbox="508 840 581 867" data-label="Text">•</div> <div data-bbox="605 758 646 905" data-label="Text">clothing</div>	<div data-bbox="508 564 581 592" data-label="Text">•</div> <div data-bbox="508 592 581 619" data-label="Text">•</div> <div data-bbox="508 619 581 646" data-label="Text">•</div> <div data-bbox="605 527 646 611" data-label="Text">0.10</div>
<div data-bbox="678 1381 751 1409" data-label="Text">•</div> <div data-bbox="678 1409 751 1436" data-label="Text">•</div> <div data-bbox="678 1436 751 1463" data-label="Text">•</div> <div data-bbox="768 1388 792 1514" data-label="Text">jacket</div>	<div data-bbox="678 1077 751 1104" data-label="Text">•</div> <div data-bbox="678 1104 751 1131" data-label="Text">•</div> <div data-bbox="678 1131 751 1159" data-label="Text">•</div> <div data-bbox="768 1077 792 1215" data-label="Text">'jacket'</div>	<div data-bbox="678 785 751 812" data-label="Text">•</div> <div data-bbox="678 812 751 840" data-label="Text">•</div> <div data-bbox="678 840 751 867" data-label="Text">•</div> <div data-bbox="768 758 792 905" data-label="Text">clothing</div>	<div data-bbox="678 564 751 592" data-label="Text">•</div> <div data-bbox="678 592 751 619" data-label="Text">•</div> <div data-bbox="678 619 751 646" data-label="Text">•</div> <div data-bbox="768 527 792 611" data-label="Text">0.20</div>
<div data-bbox="824 1245 849 1535" data-label="Text">car inspection</div>	<div data-bbox="824 926 849 1241" data-label="Text">'car inspection'</div>	<div data-bbox="824 657 849 919" data-label="Text">social system</div>	<div data-bbox="824 436 849 653" data-label="Text">0.15</div>
<div data-bbox="873 1388 898 1514" data-label="Text">garage</div>	<div data-bbox="873 1077 898 1215" data-label="Text">'garage'</div>	<div data-bbox="873 758 898 905" data-label="Text">building</div>	<div data-bbox="873 436 898 653" data-label="Text">0.13</div>
<div data-bbox="922 1381 946 1514" data-label="Text">squilla</div>	<div data-bbox="922 1077 946 1215" data-label="Text">'squilla'</div>	<div data-bbox="922 812 946 905" data-label="Text">food</div>	<div data-bbox="922 436 946 653" data-label="Text">0.04</div>
<div data-bbox="971 1339 1011 1514" data-label="Text">small fry</div>	<div data-bbox="971 1031 1011 1215" data-label="Text">'small fry'</div>	<div data-bbox="971 827 1011 905" data-label="Text">food</div>	<div data-bbox="971 436 1011 653" data-label="Text">0.06</div>
<div data-bbox="1044 1381 1117 1409" data-label="Text">•</div> <div data-bbox="1044 1409 1117 1436" data-label="Text">•</div> <div data-bbox="1044 1436 1117 1463" data-label="Text">•</div> <div data-bbox="1141 1415 1166 1514" data-label="Text">dress</div>	<div data-bbox="1044 1077 1117 1104" data-label="Text">•</div> <div data-bbox="1044 1104 1117 1131" data-label="Text">•</div> <div data-bbox="1044 1131 1117 1159" data-label="Text">•</div> <div data-bbox="1141 1098 1166 1215" data-label="Text">'dress'</div>	<div data-bbox="1044 785 1117 812" data-label="Text">•</div> <div data-bbox="1044 812 1117 840" data-label="Text">•</div> <div data-bbox="1044 840 1117 867" data-label="Text">•</div> <div data-bbox="1141 758 1166 905" data-label="Text">clothing</div>	<div data-bbox="1044 564 1117 592" data-label="Text">•</div> <div data-bbox="1044 592 1117 619" data-label="Text">•</div> <div data-bbox="1044 619 1117 646" data-label="Text">•</div> <div data-bbox="1141 527 1166 611" data-label="Text">0.30</div>
<div data-bbox="1125 1381 1198 1409" data-label="Text">•</div> <div data-bbox="1125 1409 1198 1436" data-label="Text">•</div> <div data-bbox="1125 1436 1198 1463" data-label="Text">•</div>	<div data-bbox="1125 1077 1198 1104" data-label="Text">•</div> <div data-bbox="1125 1104 1198 1131" data-label="Text">•</div> <div data-bbox="1125 1131 1198 1159" data-label="Text">•</div>	<div data-bbox="1125 785 1198 812" data-label="Text">•</div> <div data-bbox="1125 812 1198 840" data-label="Text">•</div> <div data-bbox="1125 840 1198 867" data-label="Text">•</div>	<div data-bbox="1125 564 1198 592" data-label="Text">•</div> <div data-bbox="1125 592 1198 619" data-label="Text">•</div> <div data-bbox="1125 619 1198 646" data-label="Text">•</div>

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Fig.6



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Fig.7

396 Pronunciation	397 Appearance frequency within word class
'jacket'	0.2
'dress'	0.3
'coat'	0.1
:	:
:	:

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Fig.8

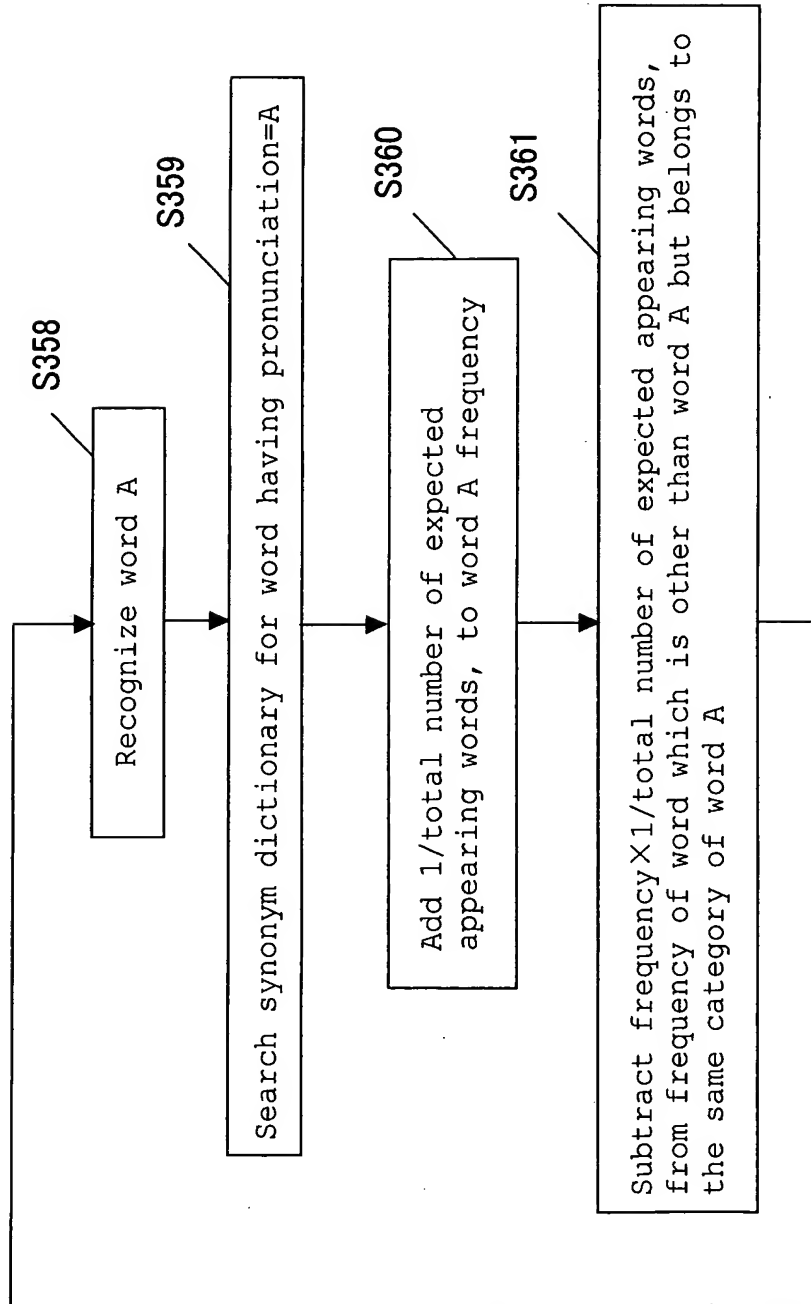
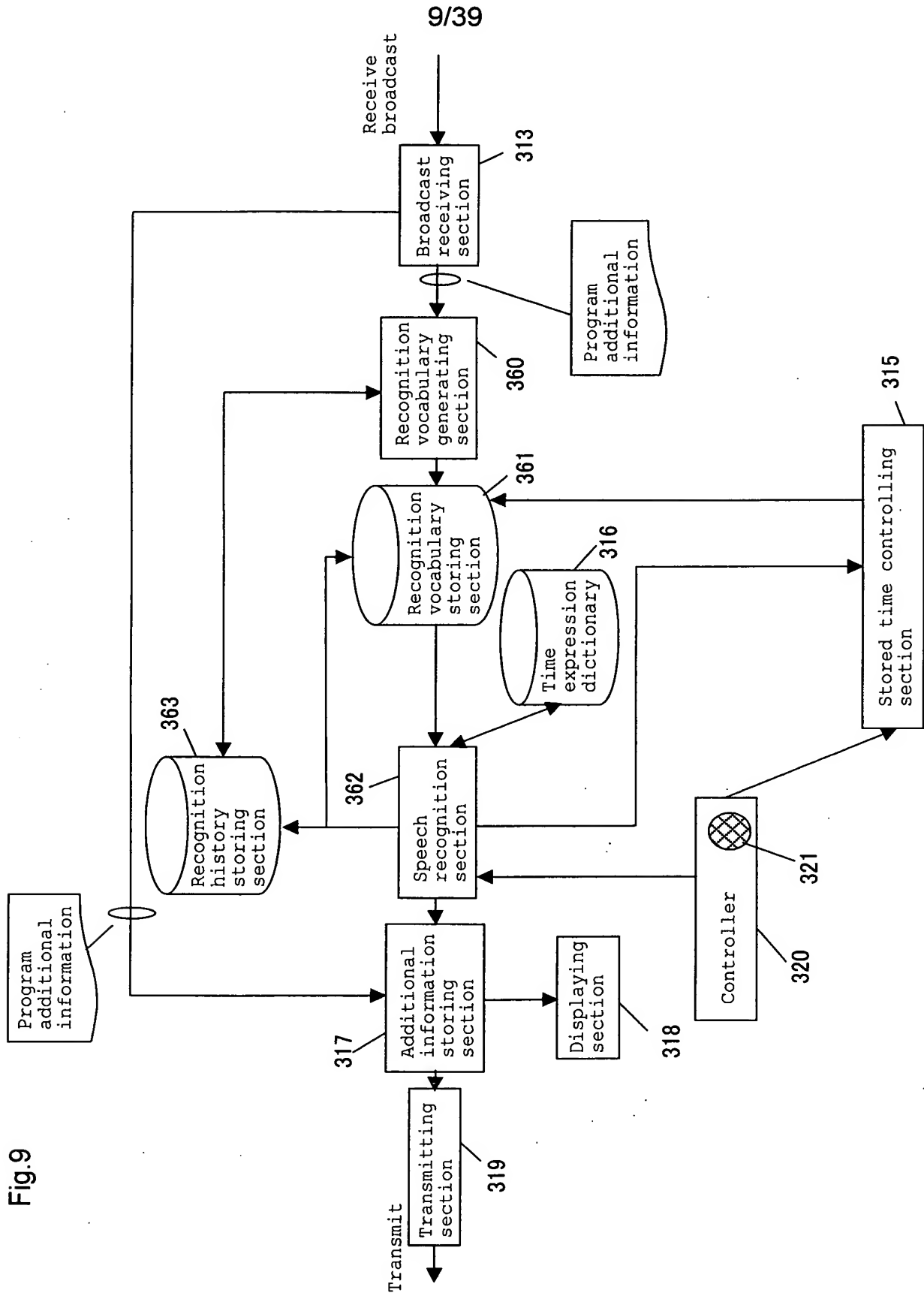


Fig.9



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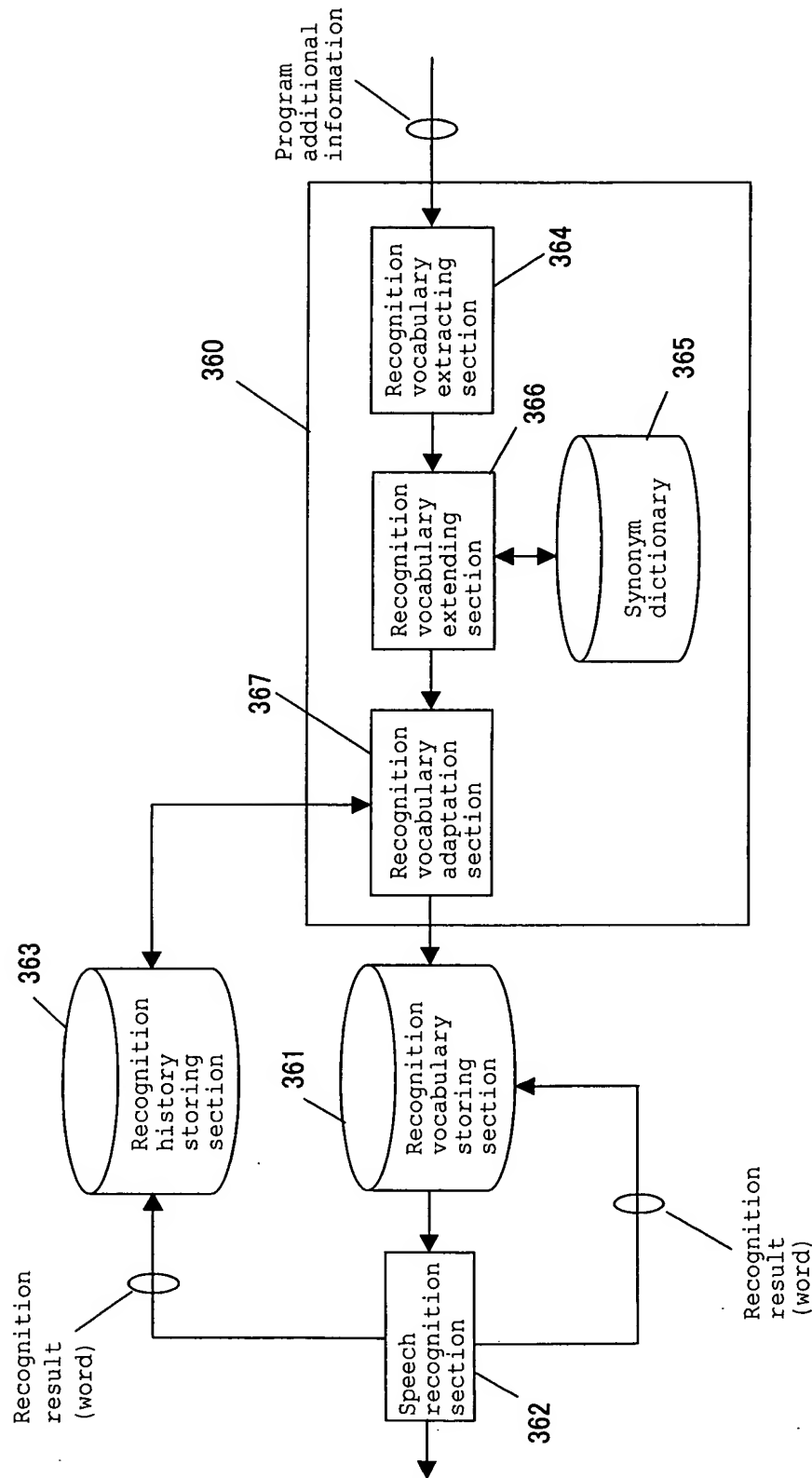


Fig.10

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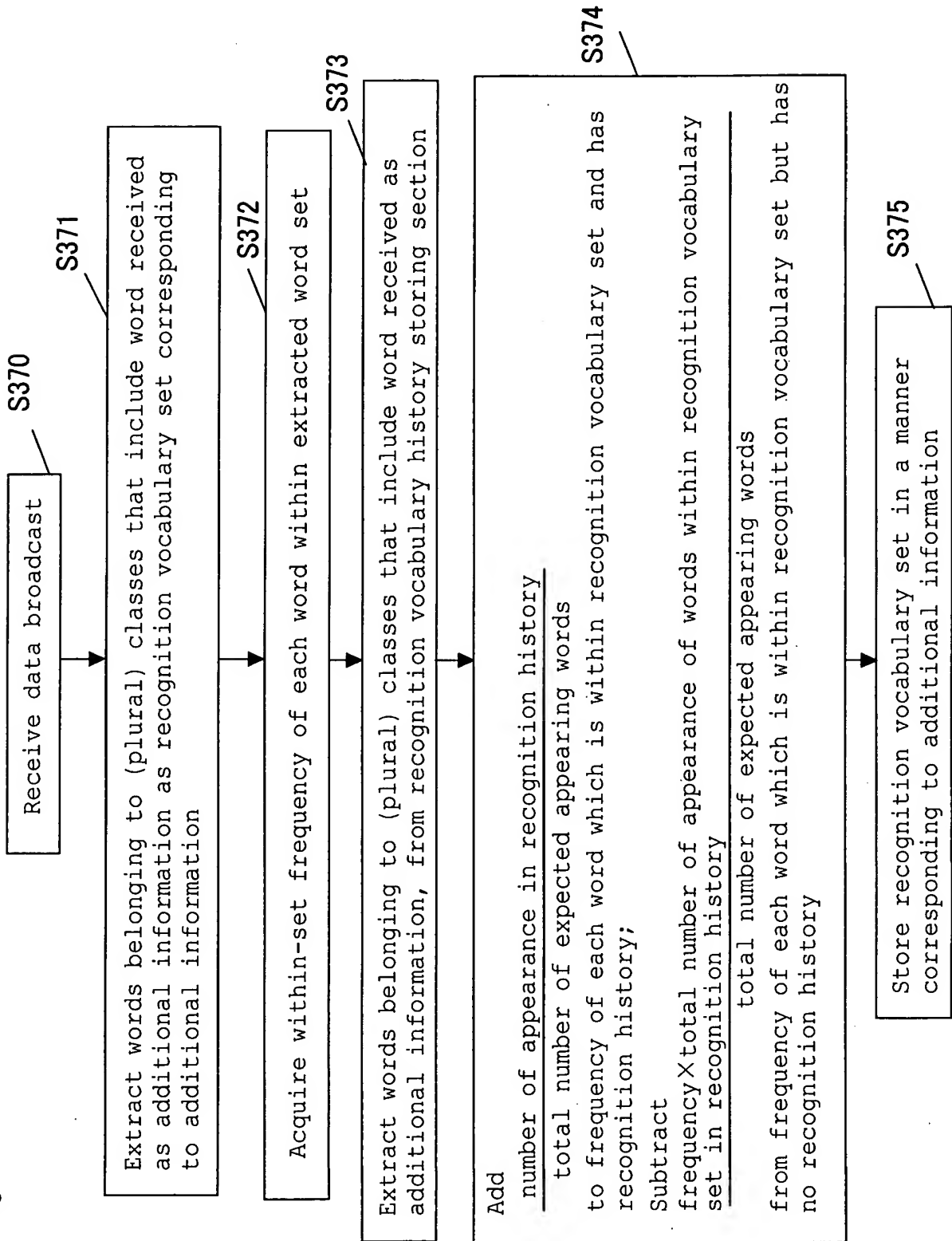
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Fig.11

401 Word	461 Pronunciation	402 Word class 1	403 Word class 2	404 ... Word class n	405 Appearance frequency
<div data-bbox="617 1795 657 1858">400</div> <div data-bbox="511 1606 673 1774"> <p>• • • • • •</p> </div> <div data-bbox="714 1501 982 1774"> <p>jacket car inspection garage squilla small fry</p> </div>	<div data-bbox="511 1291 673 1480"> <p>• • • • • •</p> </div> <div data-bbox="714 1186 982 1480"> <p>'jacket' 'car inspection' 'garage' 'squilla' 'small fry'</p> </div>	<div data-bbox="511 1039 673 1165"> <p>• • • • • •</p> </div> <div data-bbox="714 924 982 1165"> <p>clothing social system building food food</p> </div>	<div data-bbox="511 766 673 913"> <p>• • • • • •</p> </div> <div data-bbox="714 651 982 913"> <p>fashion transportation transportation shellfish fish</p> </div>	<div data-bbox="836 472 868 619"> <p>••••••••</p> </div>	<div data-bbox="511 346 673 441"> <p>• • • • • •</p> </div> <div data-bbox="714 304 982 441"> <p>0.020 0.015 0.013 0.004 0.006</p> </div> <div data-bbox="998 346 1161 441"> <p>• • • • • •</p> </div>

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Fig.12



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Fig.13

Word	Word class	Frequency
jacket	clothing, fashion	0.02
dress	clothing, fashion	0.03
coat	clothing, fashion	0.01
⋮	⋮	⋮
bag	general goods, fashion	0.02
⋮	⋮	⋮

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Fig.14

Pronunciation	Frequency within set
'jacket'	0.2
'dress'	0.3
'coat'	0.1
⋮	⋮
'bag'	0.2
⋮	⋮

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Fig.15

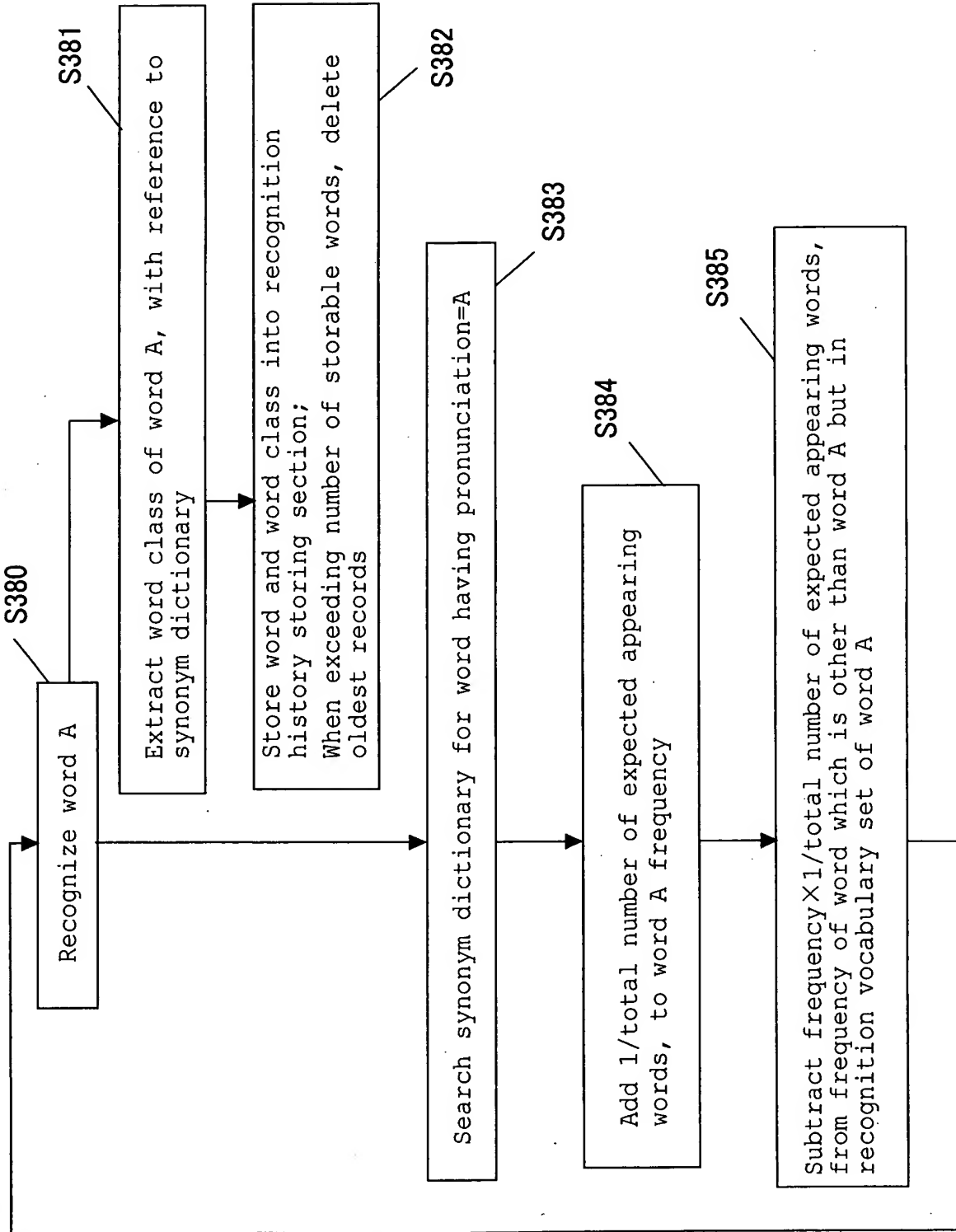
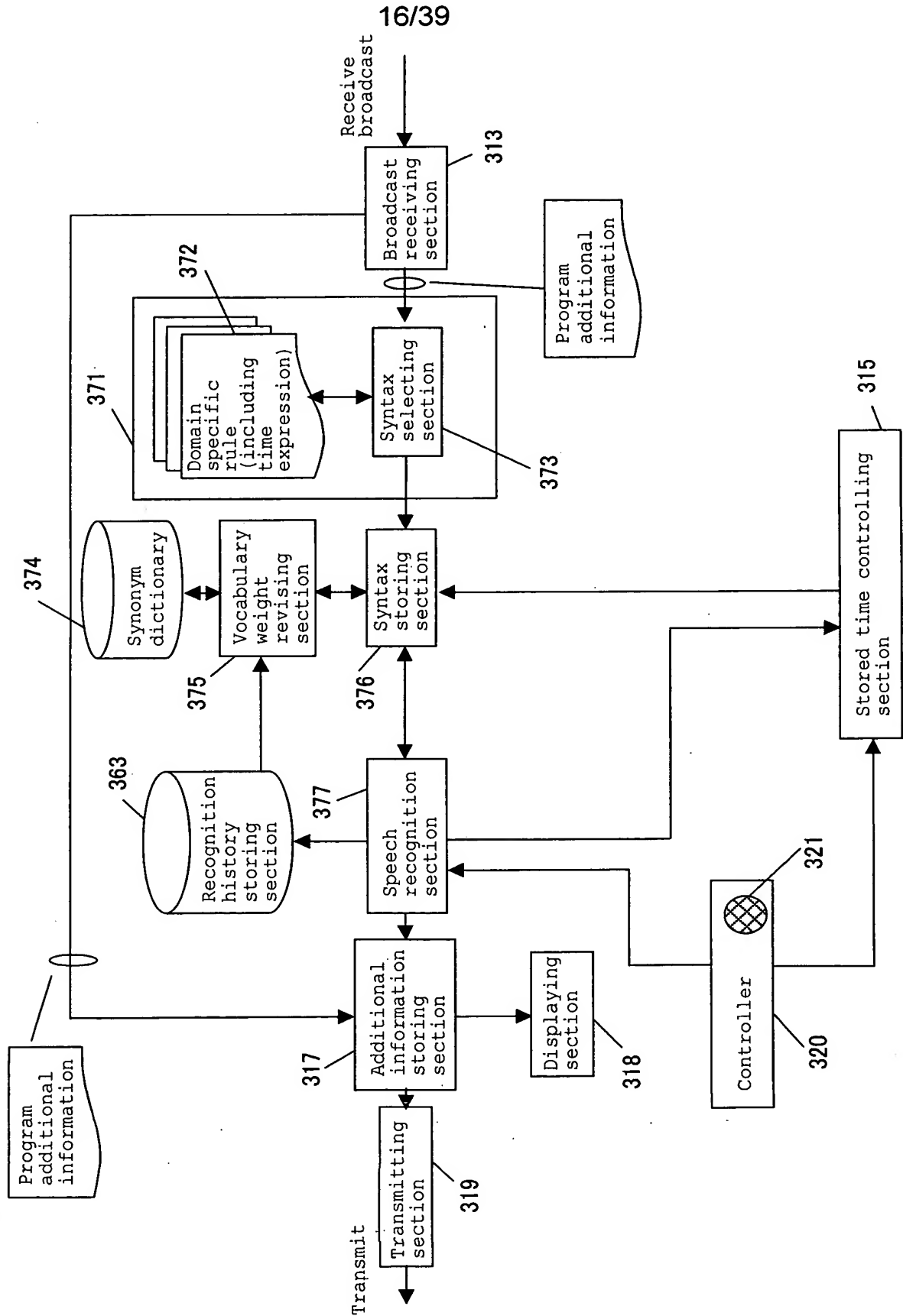
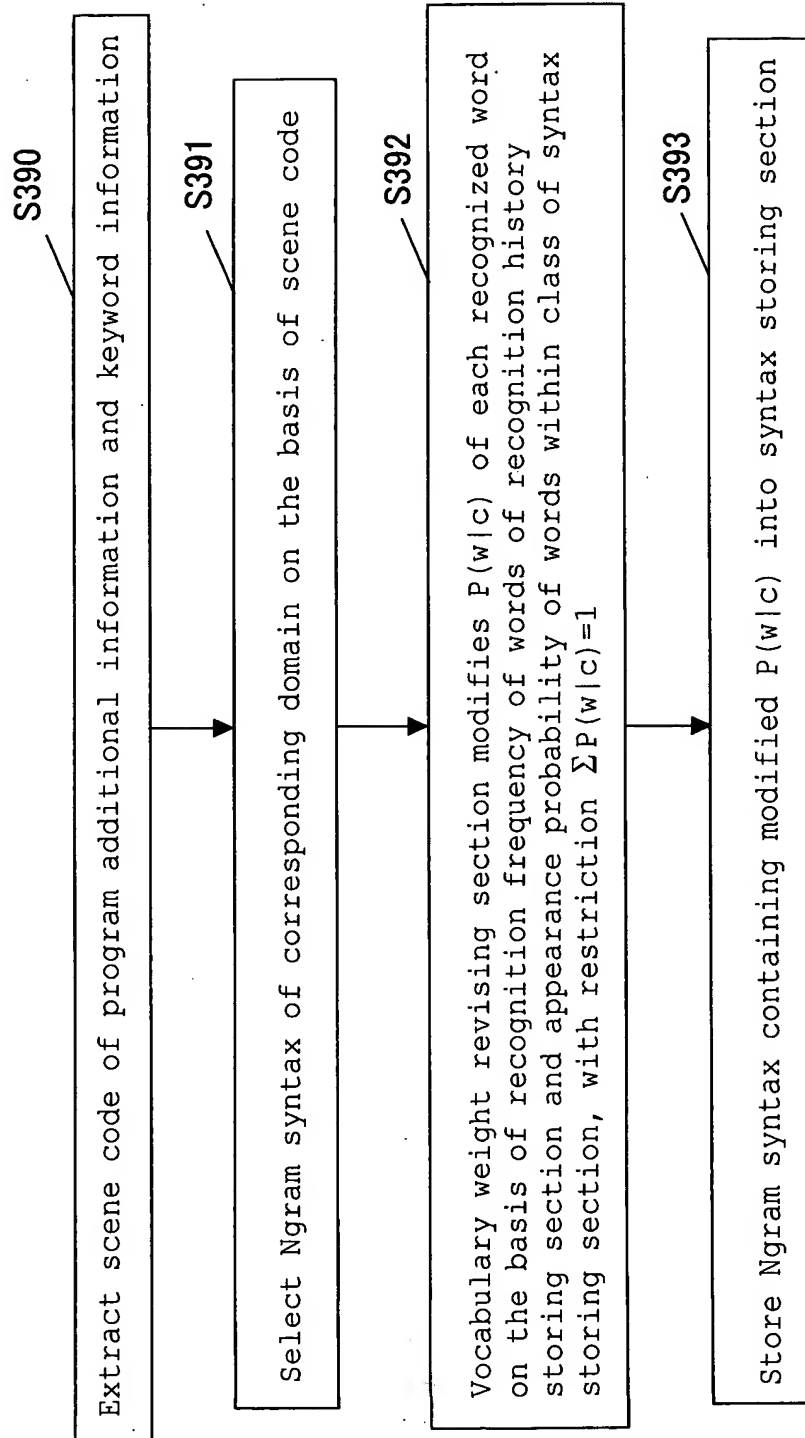


Fig.16



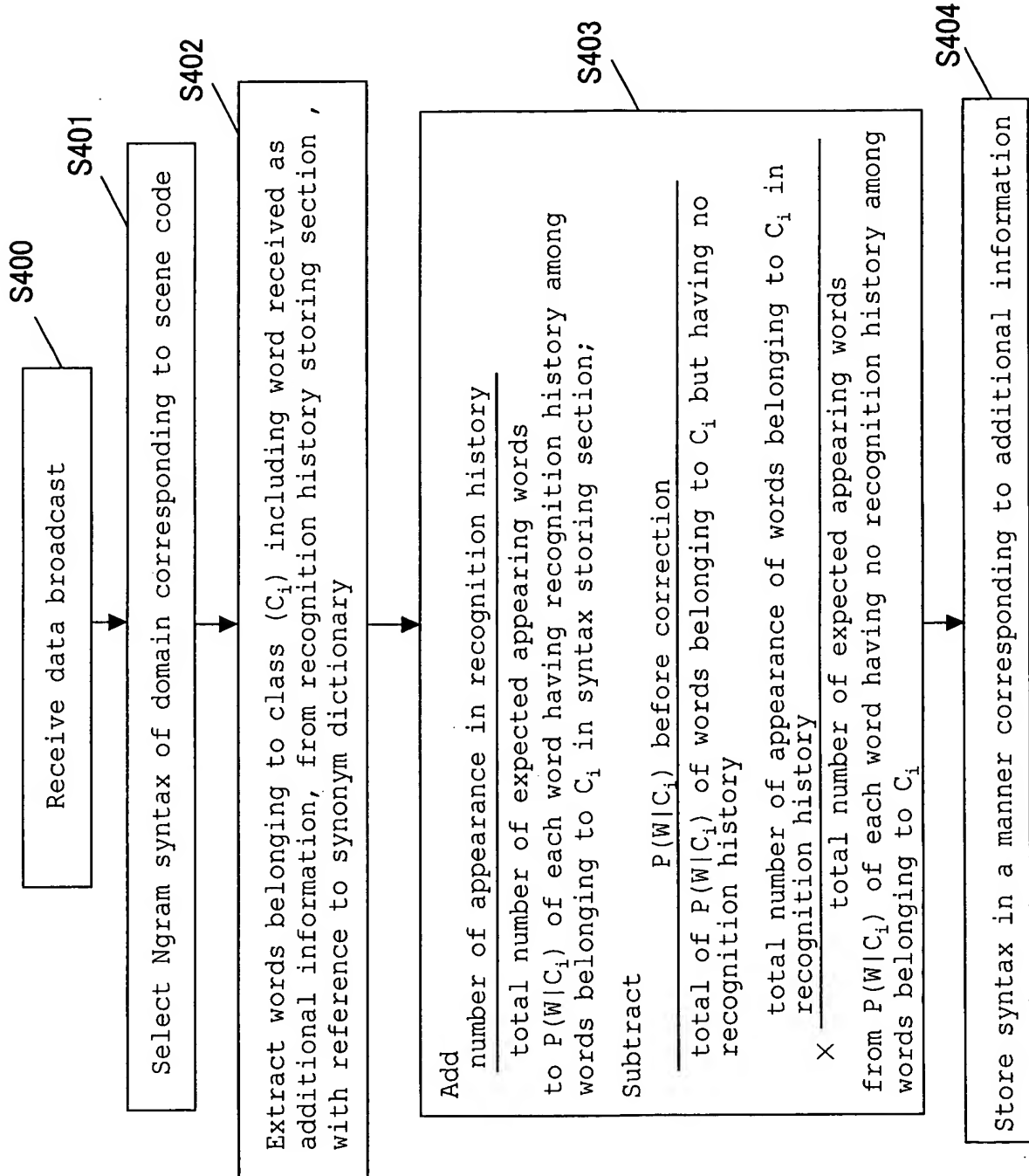
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Fig.17



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Fig.18



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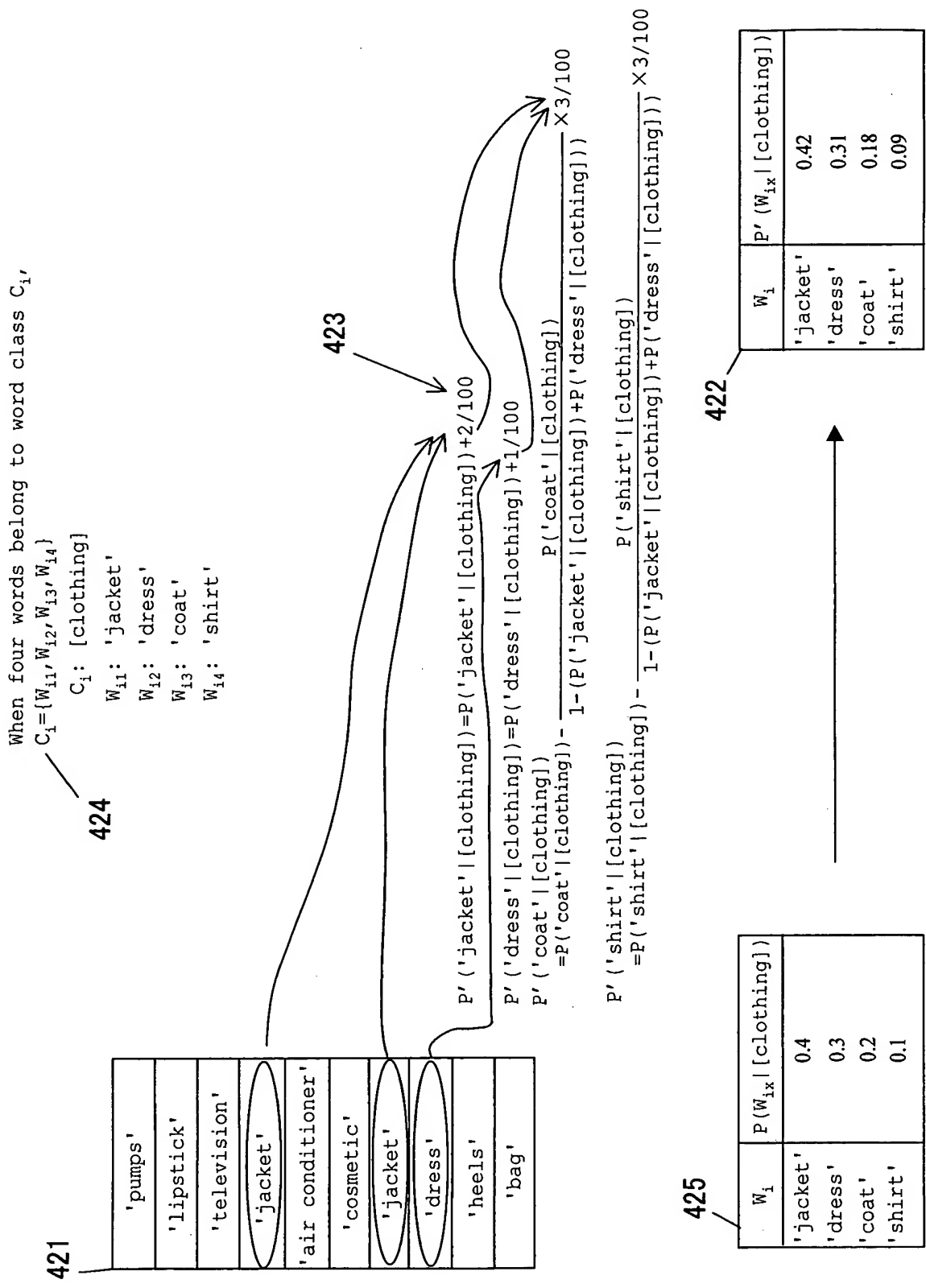
454

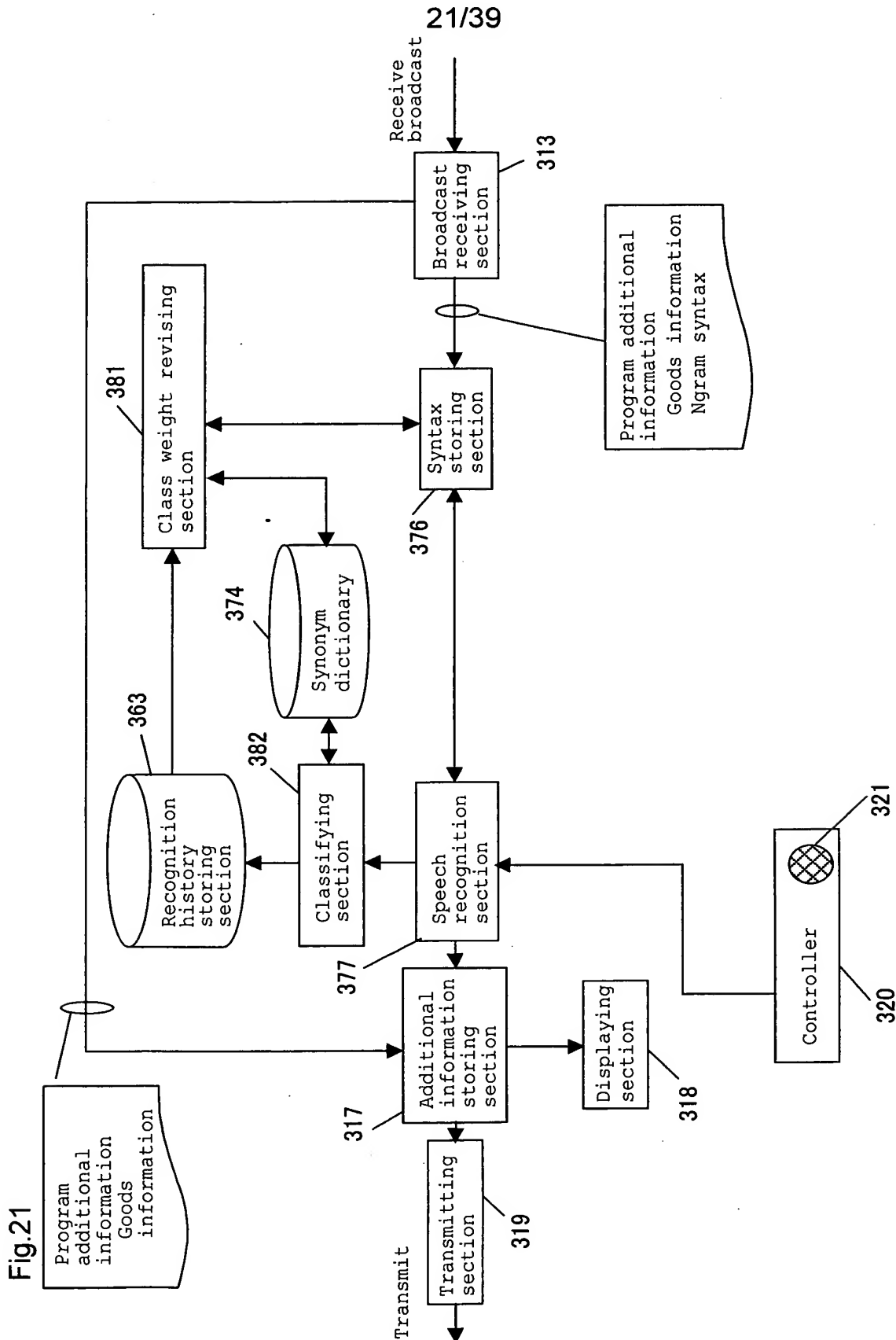
Fig.19

P('jacket' | 'that') = P([clothing] | [demonstrative]) × P('jacket' | [clothing])
P('dress' | 'that') = P([clothing] | [demonstrative]) × P('dress' | [clothing])
P('coat' | 'that') = P([clothing] | [demonstrative]) × P('coat' | [clothing])
P('shirt' | 'that') = P([clothing] | [demonstrative]) × P('shirt' | [clothing])

•
•
•

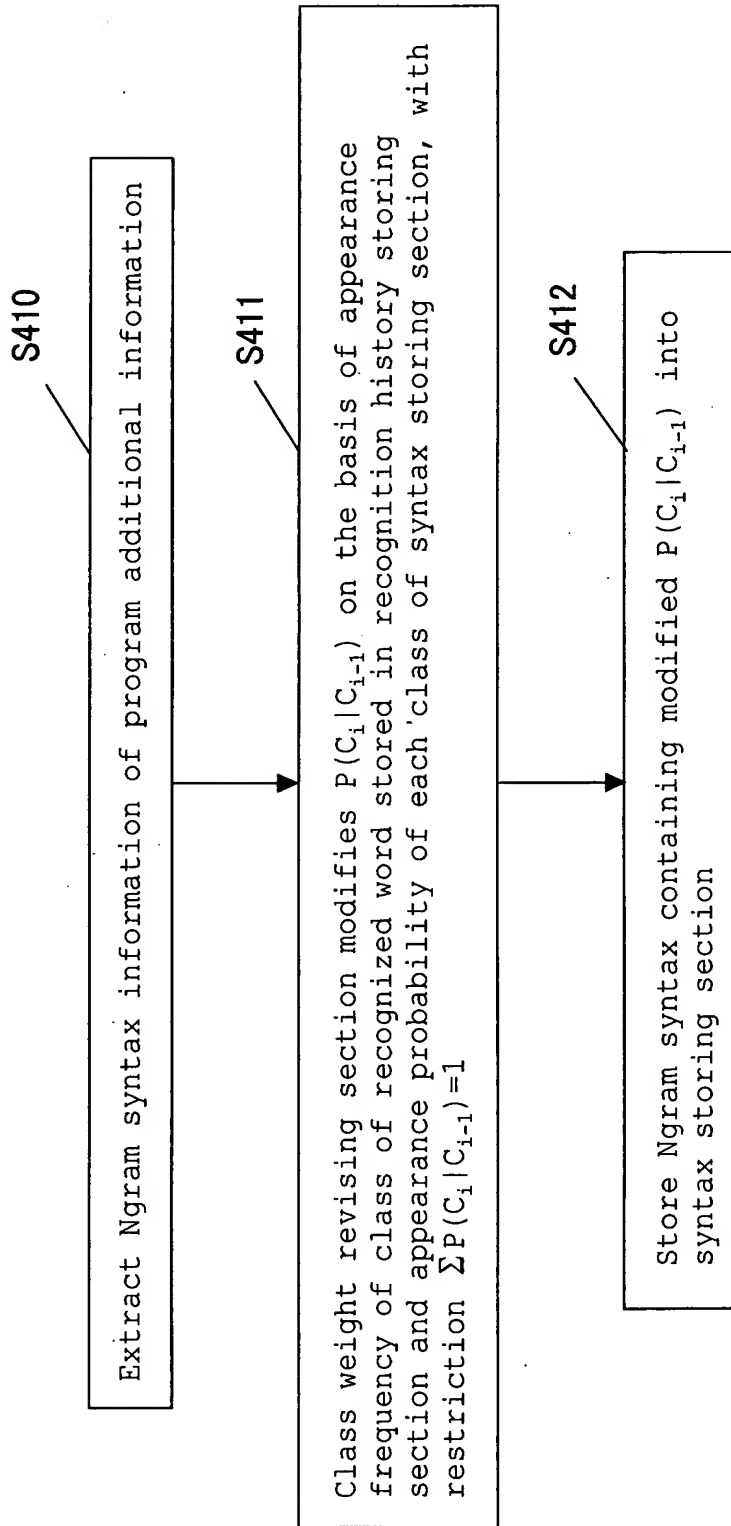
Fig.20





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Fig.22



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Fig.23

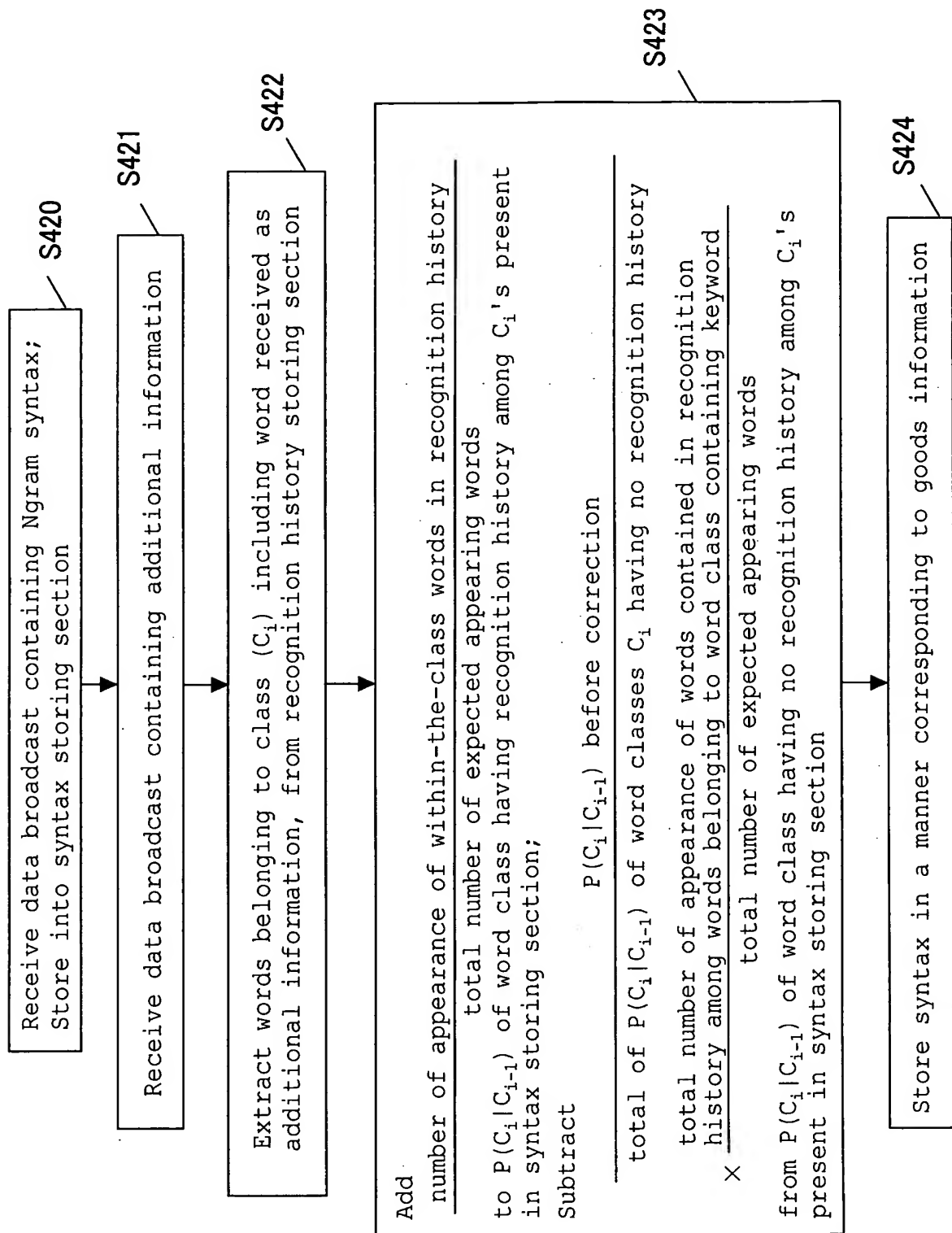
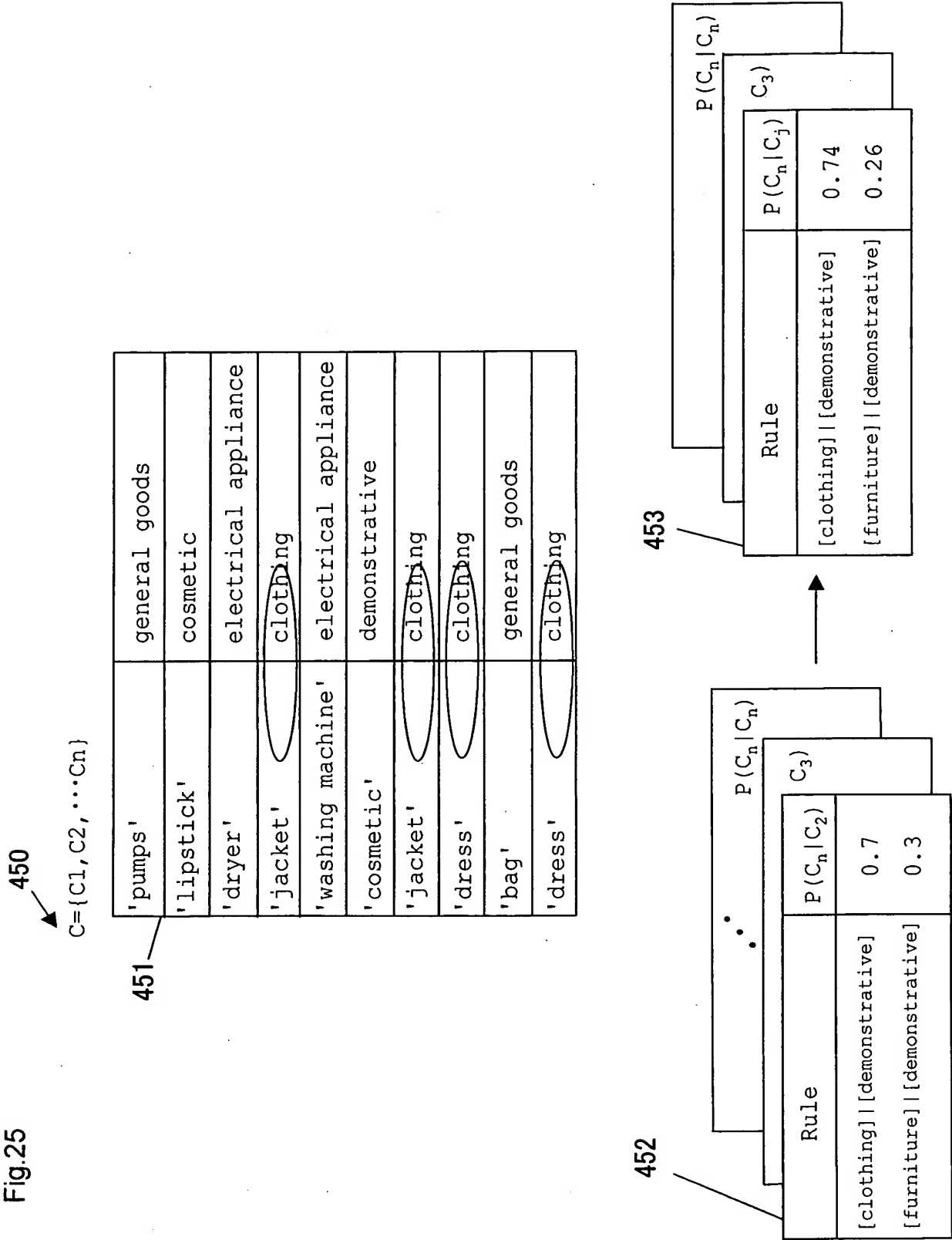


Fig.24

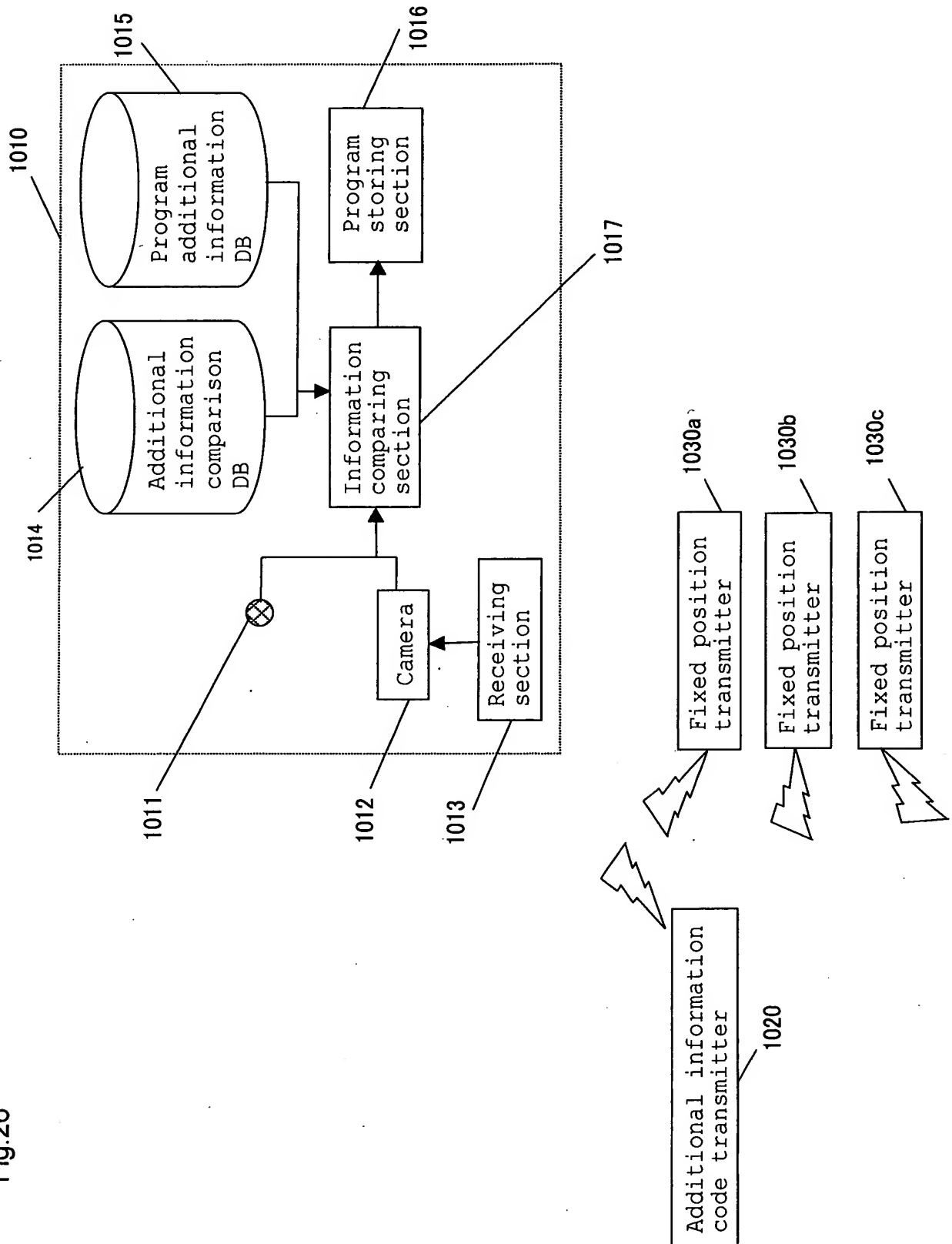
Ci	Ci-1	P(Ci Ci-1)
clothing	demonstrative	0.30
furniture	demonstrative	0.15
general goods	adnominal	0.30
food	adnominal	0.20
:	:	:
:	:	:

Fig.25

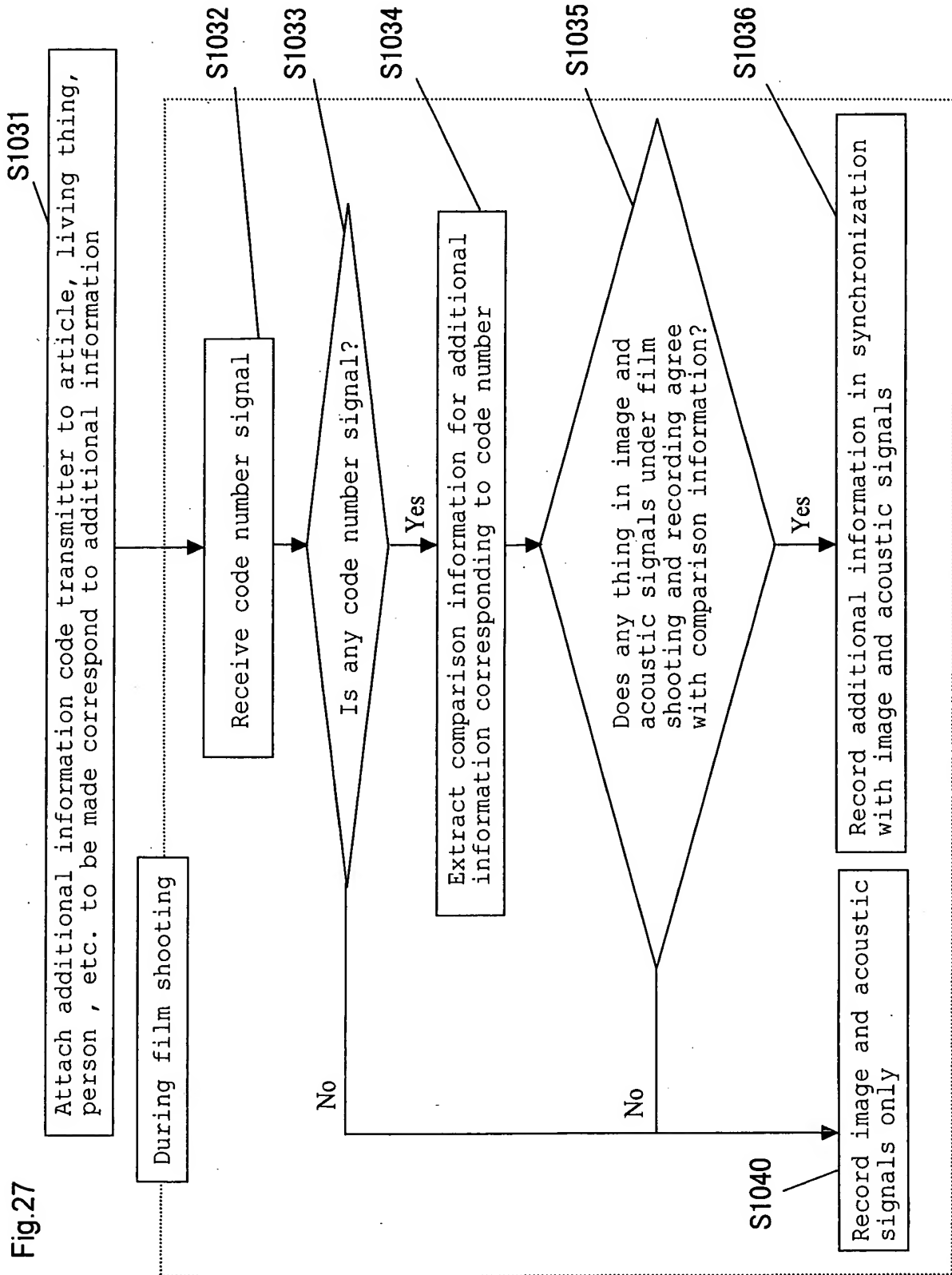


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Fig.26



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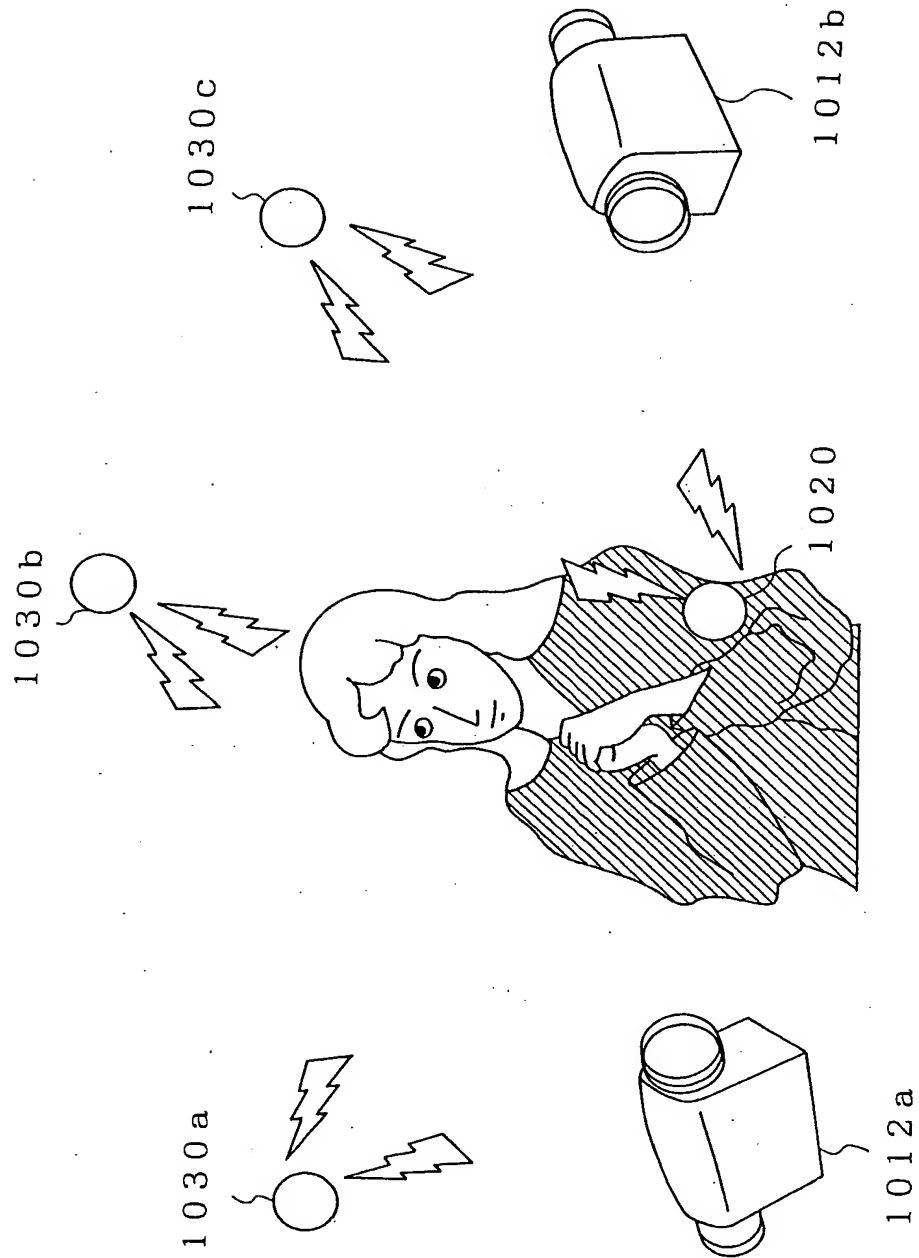
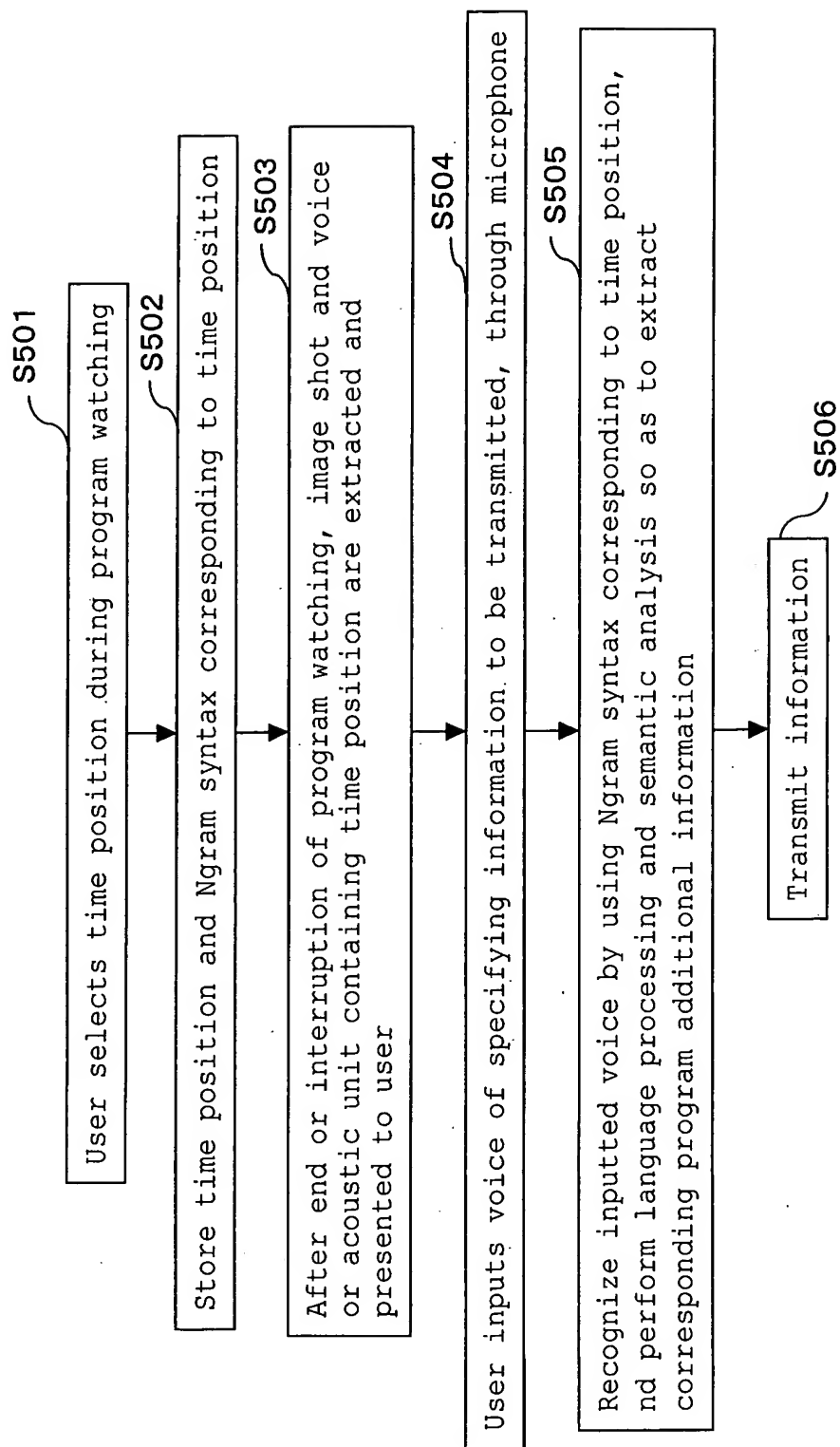


Fig.28

Fig. 29

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Fig.30



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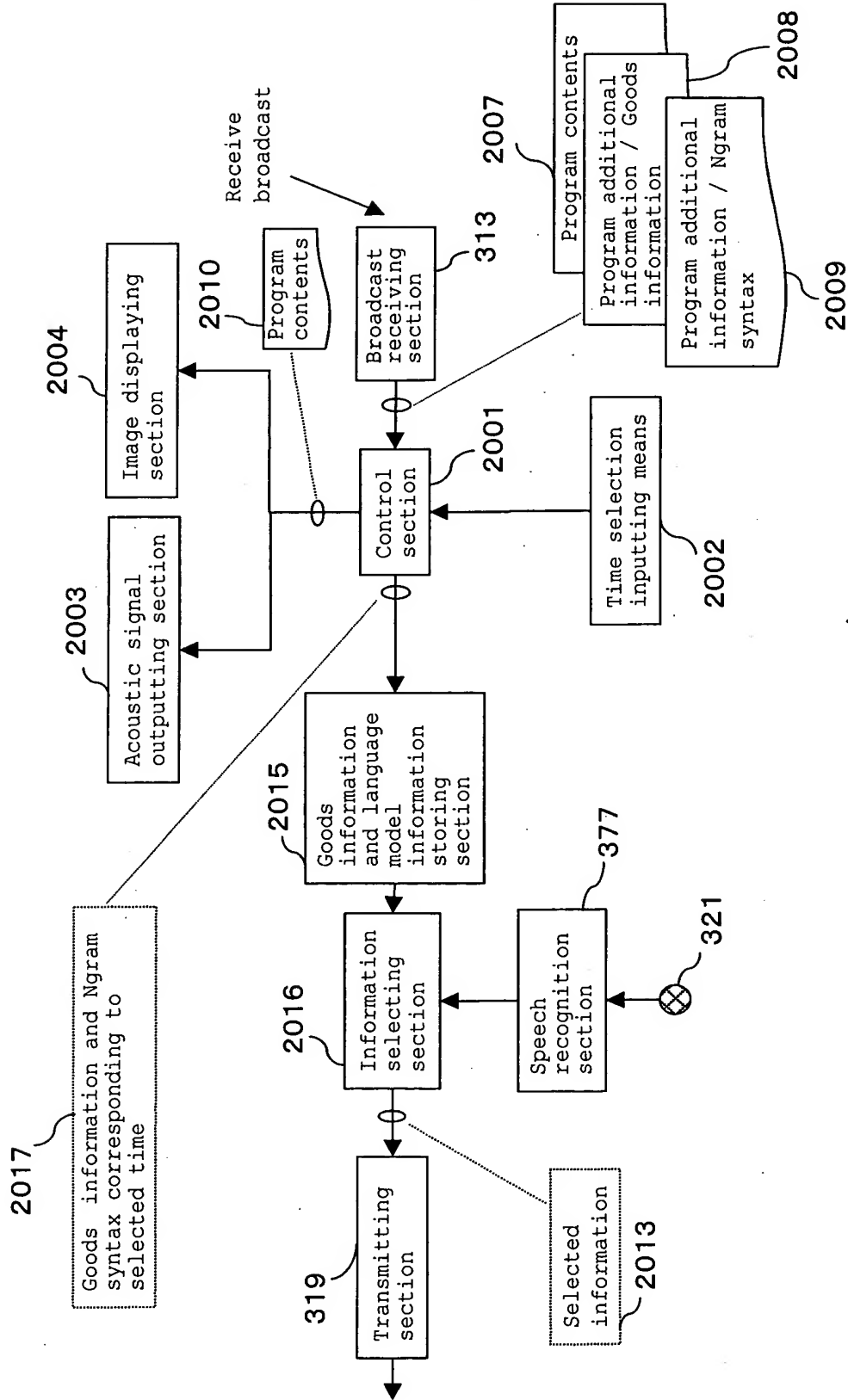


Fig.31

[Added 2-1]

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Fig.32

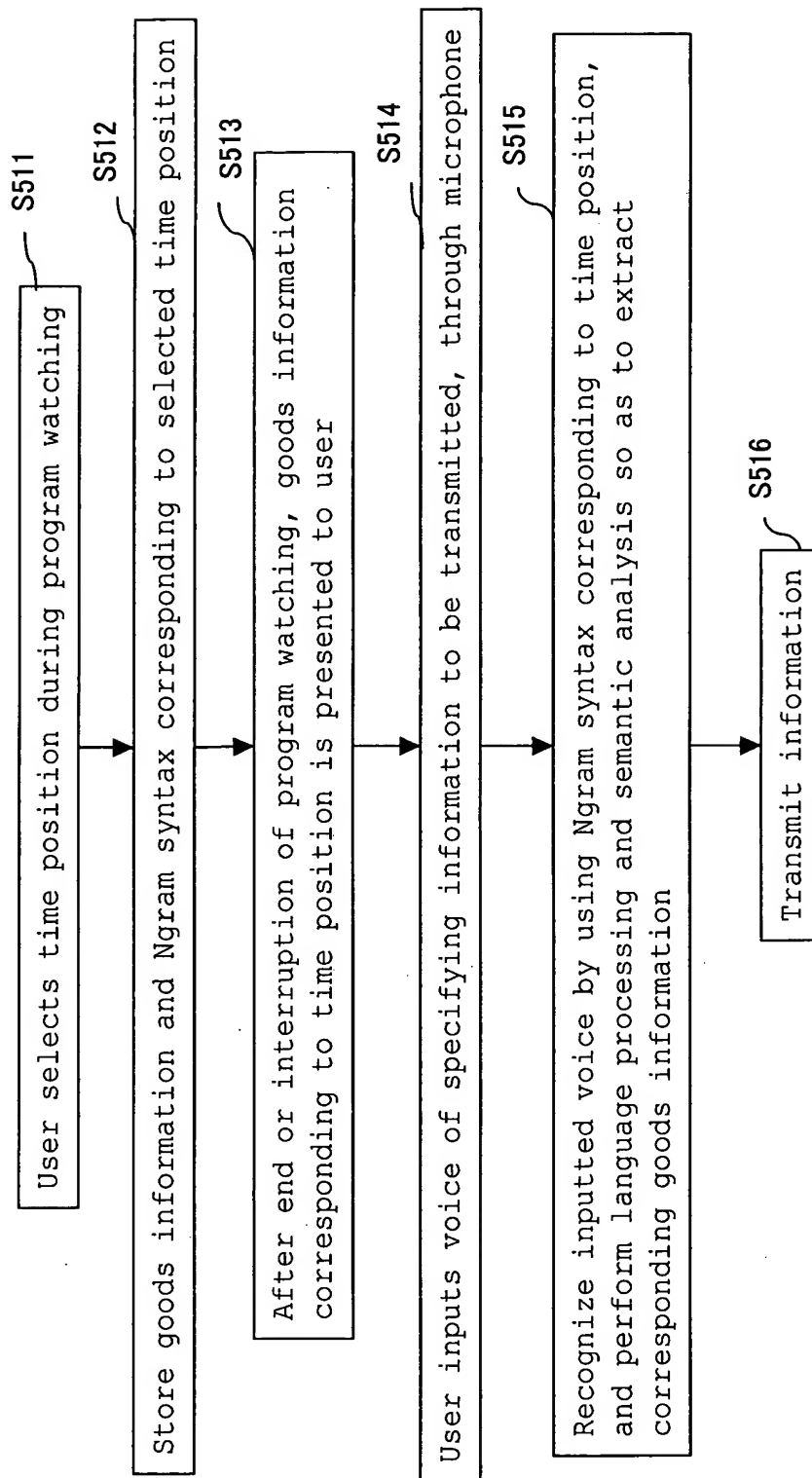


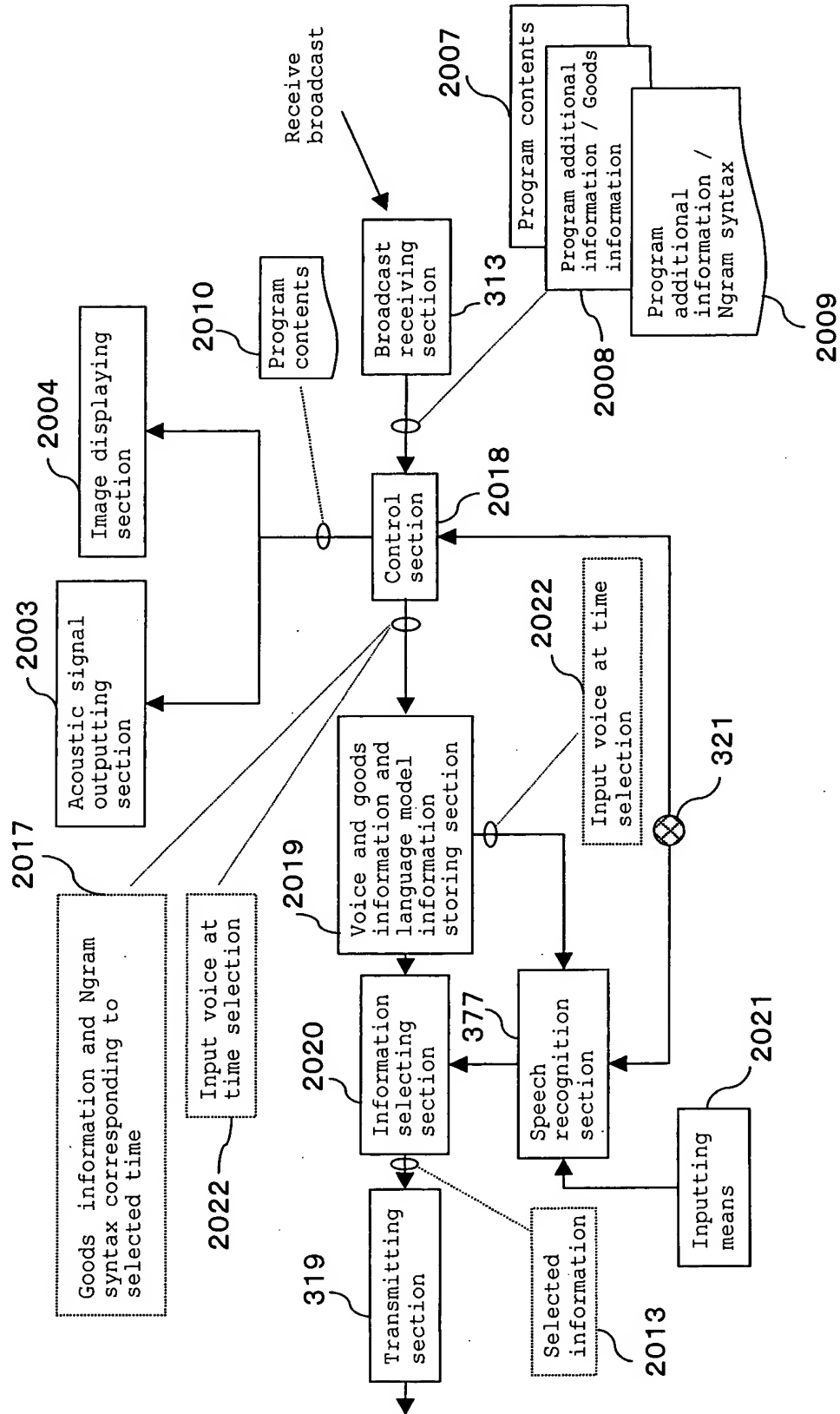
Fig.33

Goods	/ Detailed description
Jacket	/ Price 9,800 yen; Size S, L, M available; ...
Dress	/ Price 12,000 yen; Size S, L, M available; ...
Book	/ Price 2,400 yen; ...
Desk	/ Price 22,000 yen; ...
-----	-----

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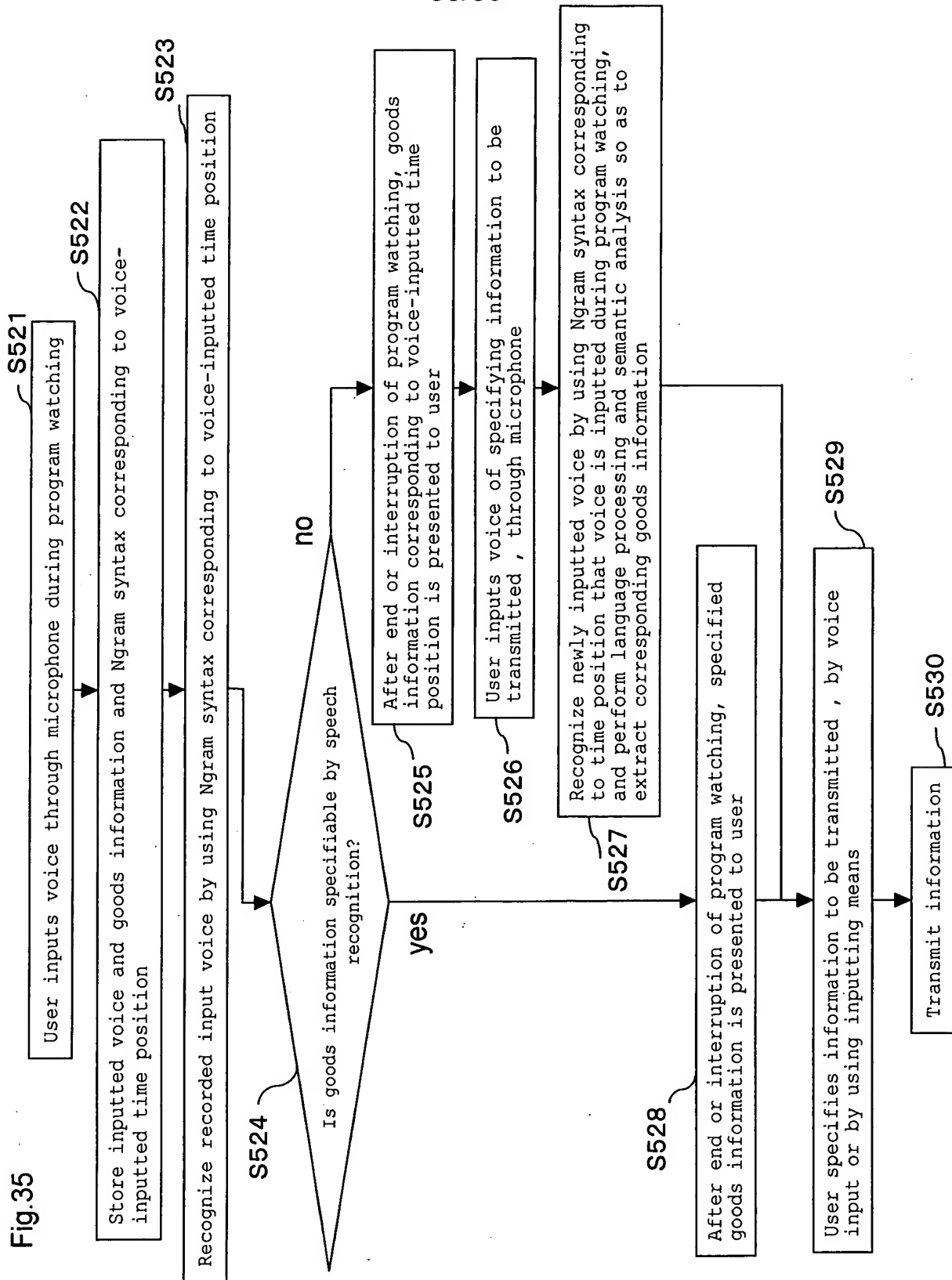
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Fig.34



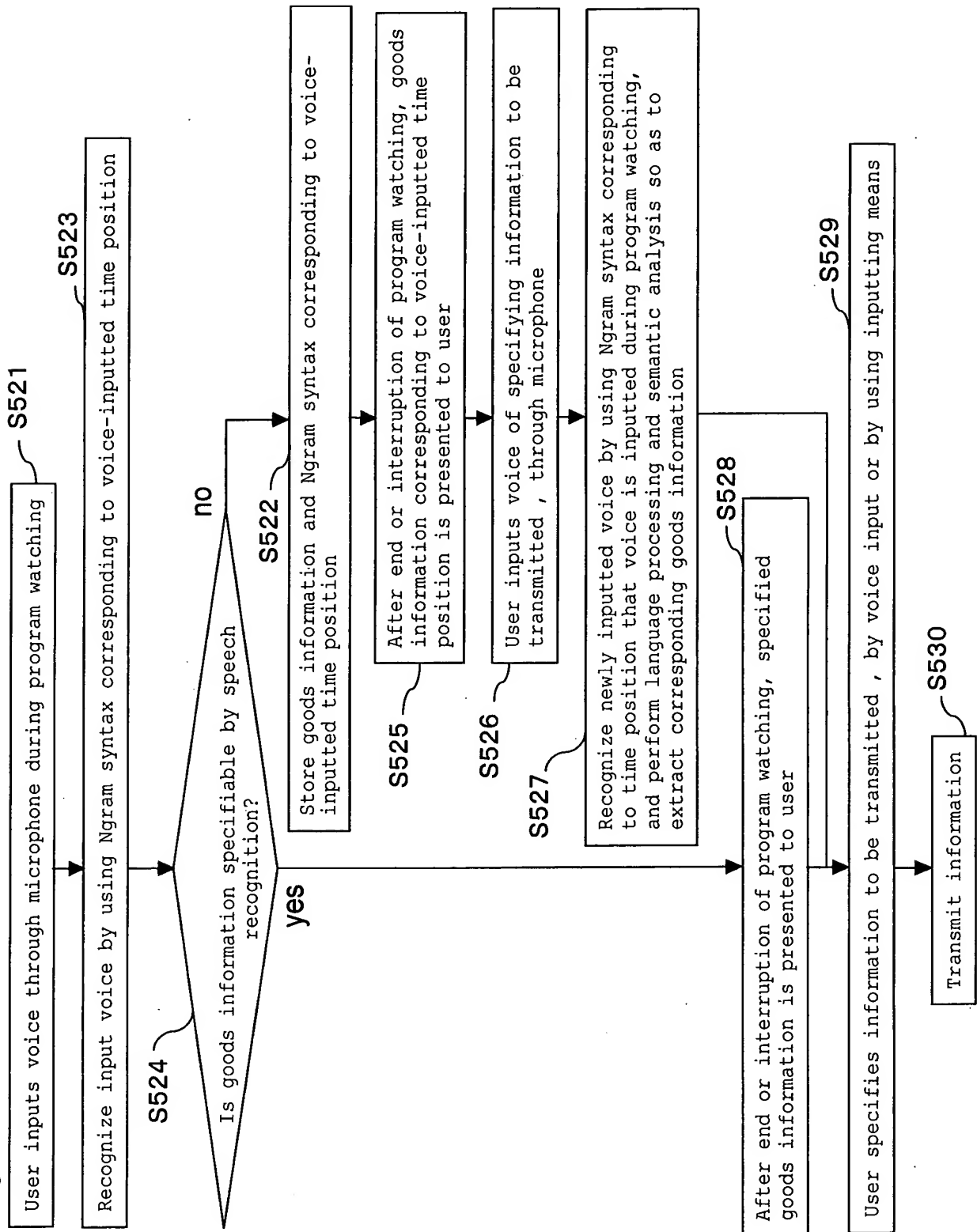
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Fig.35



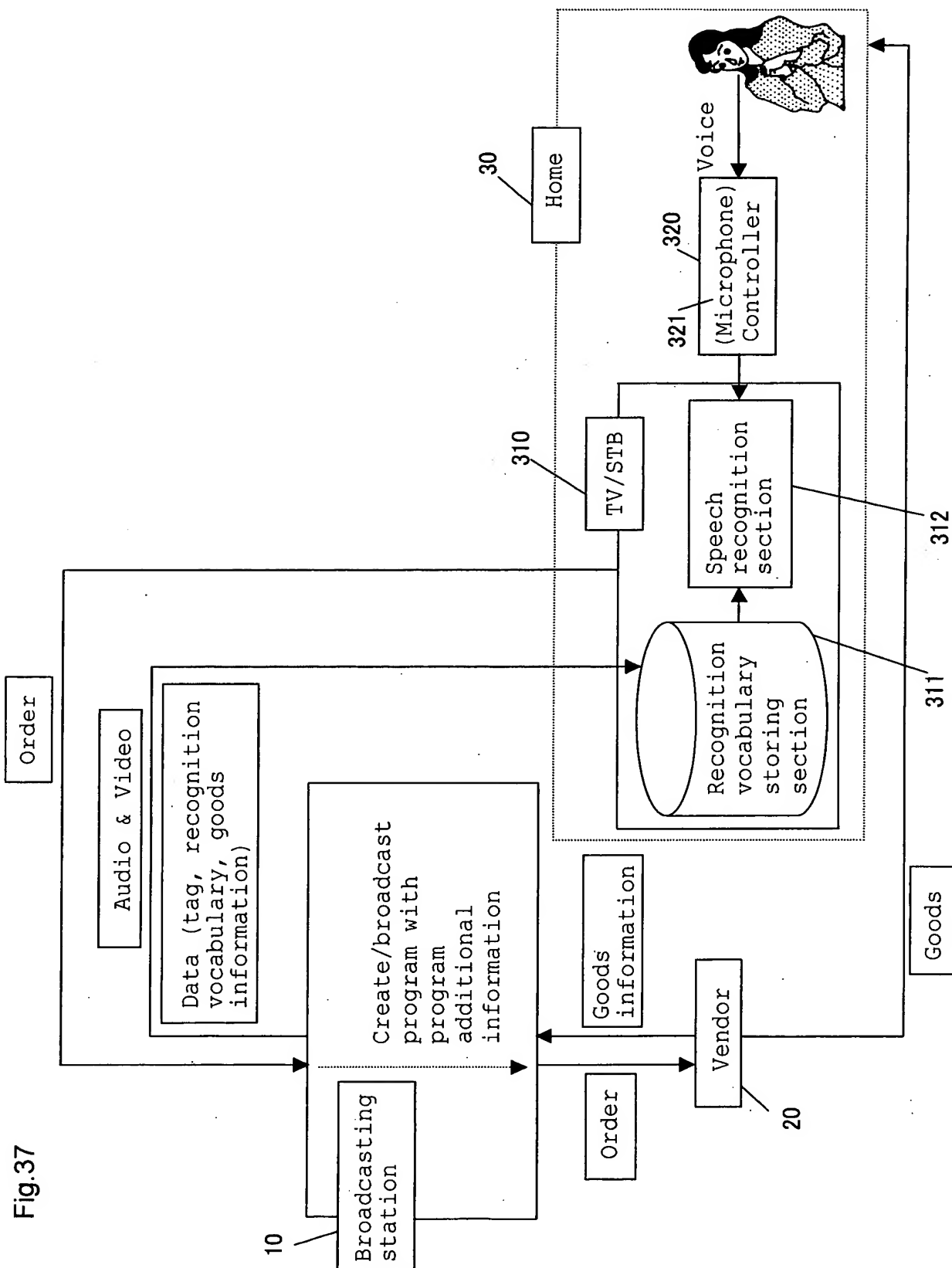
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Fig.36



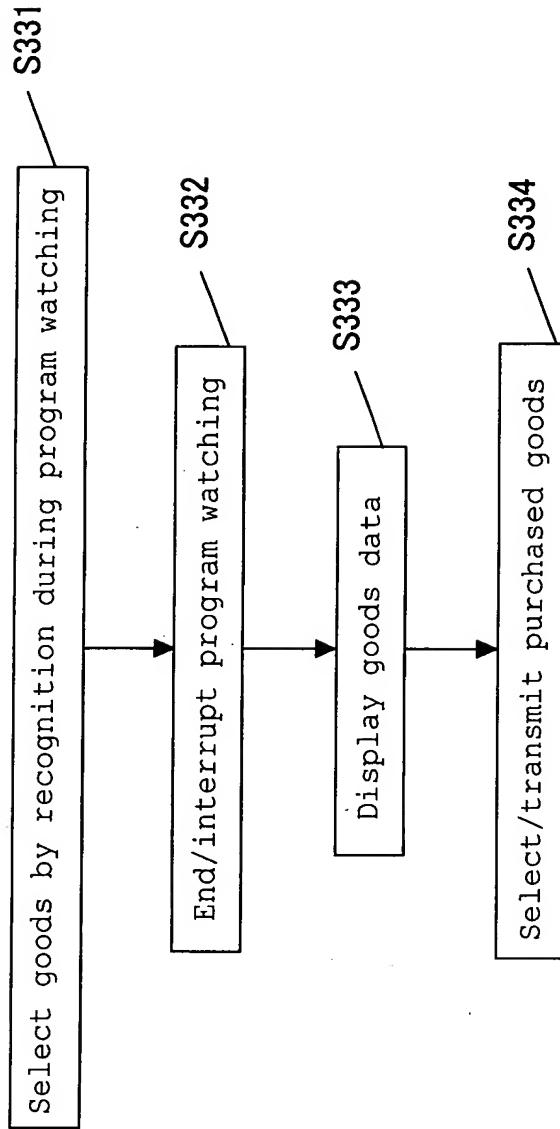
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Fig.38



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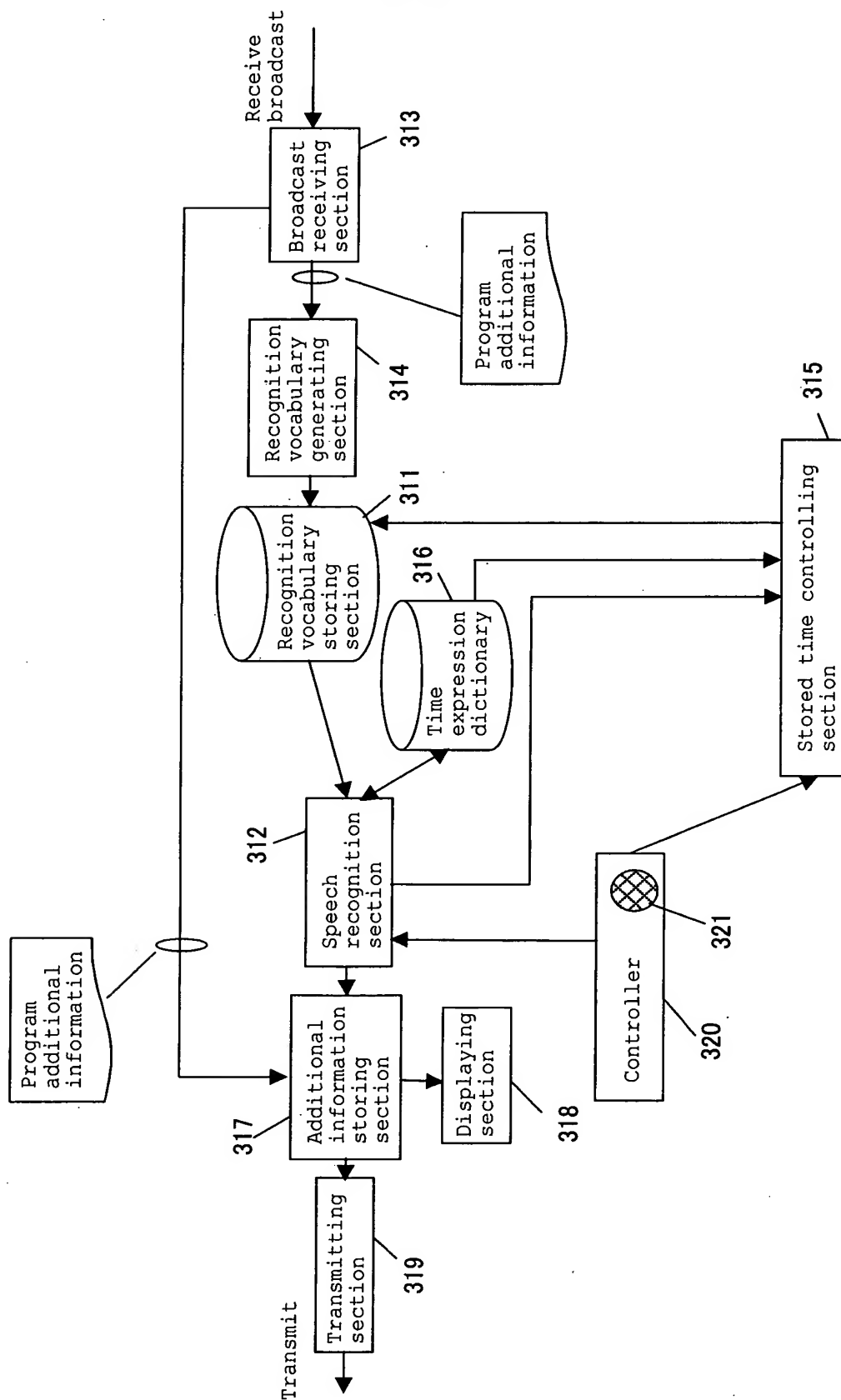


Fig.39